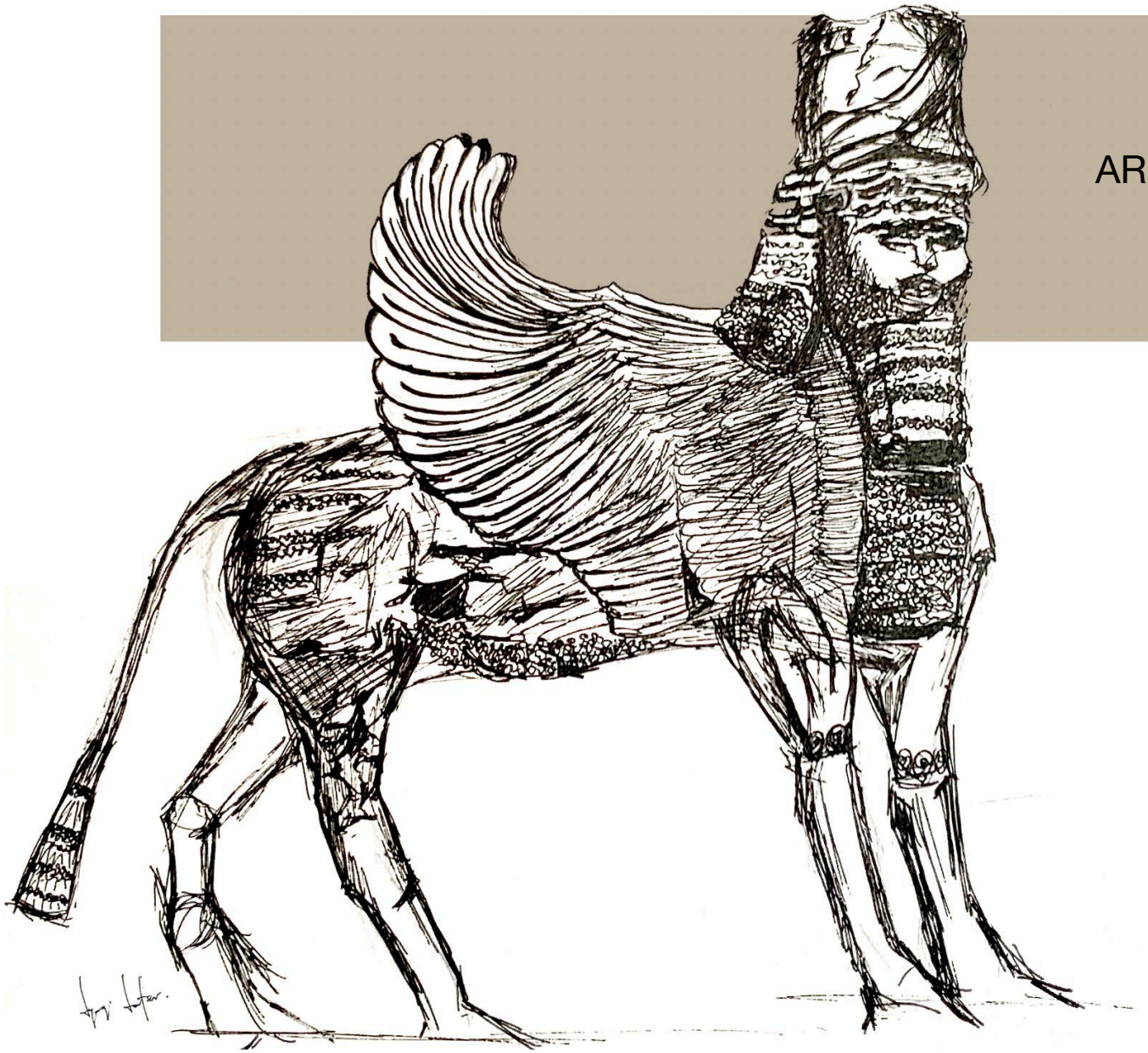
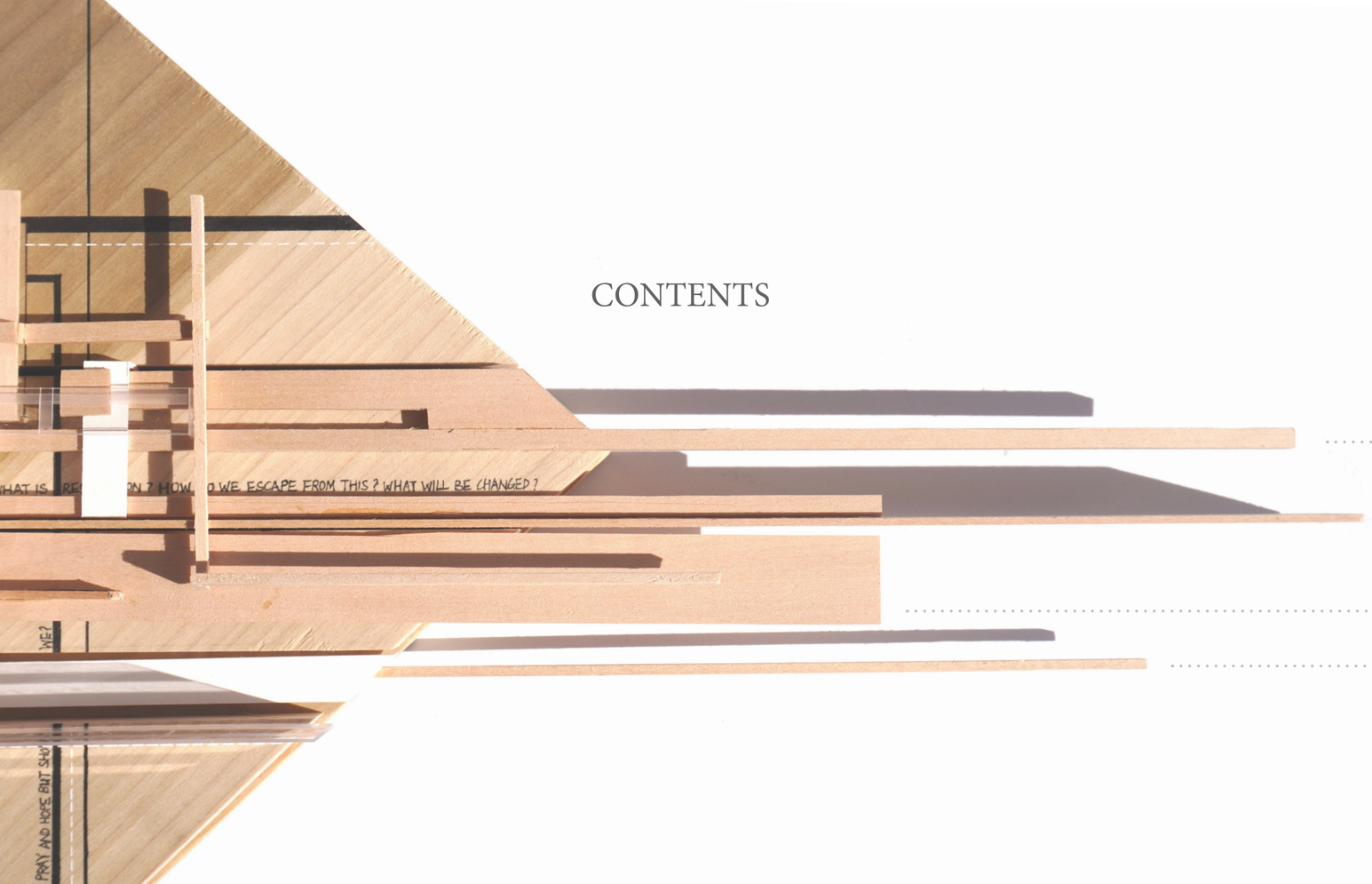
ARCHITECTURE PORTFOLIO

JINGYING ZHENG





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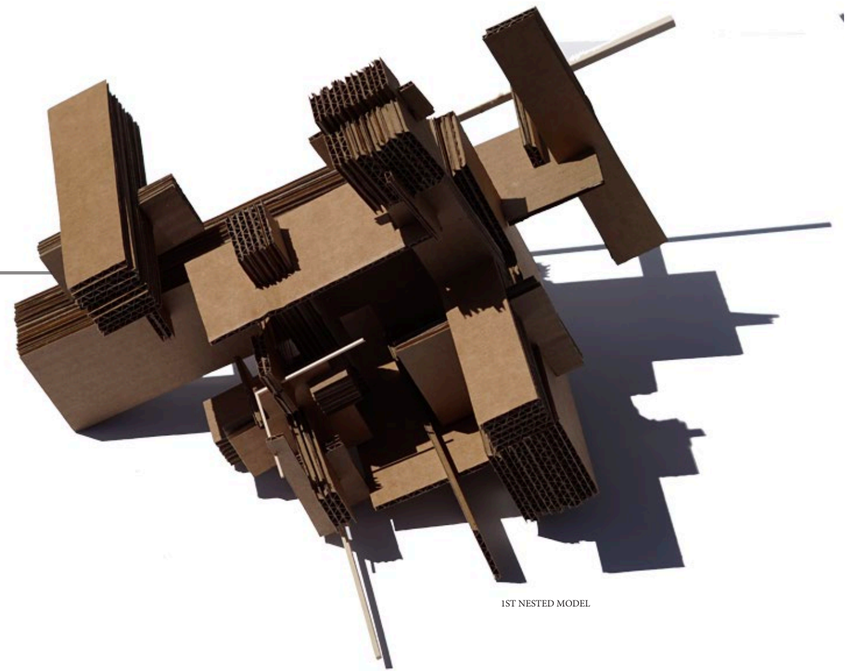
1. KIT OF ELEMENTS

INTRO TO ARCHITECTURAL DESIGN/GRAPHIC I - PROFESSOR CHADAPHAN HANWISAI

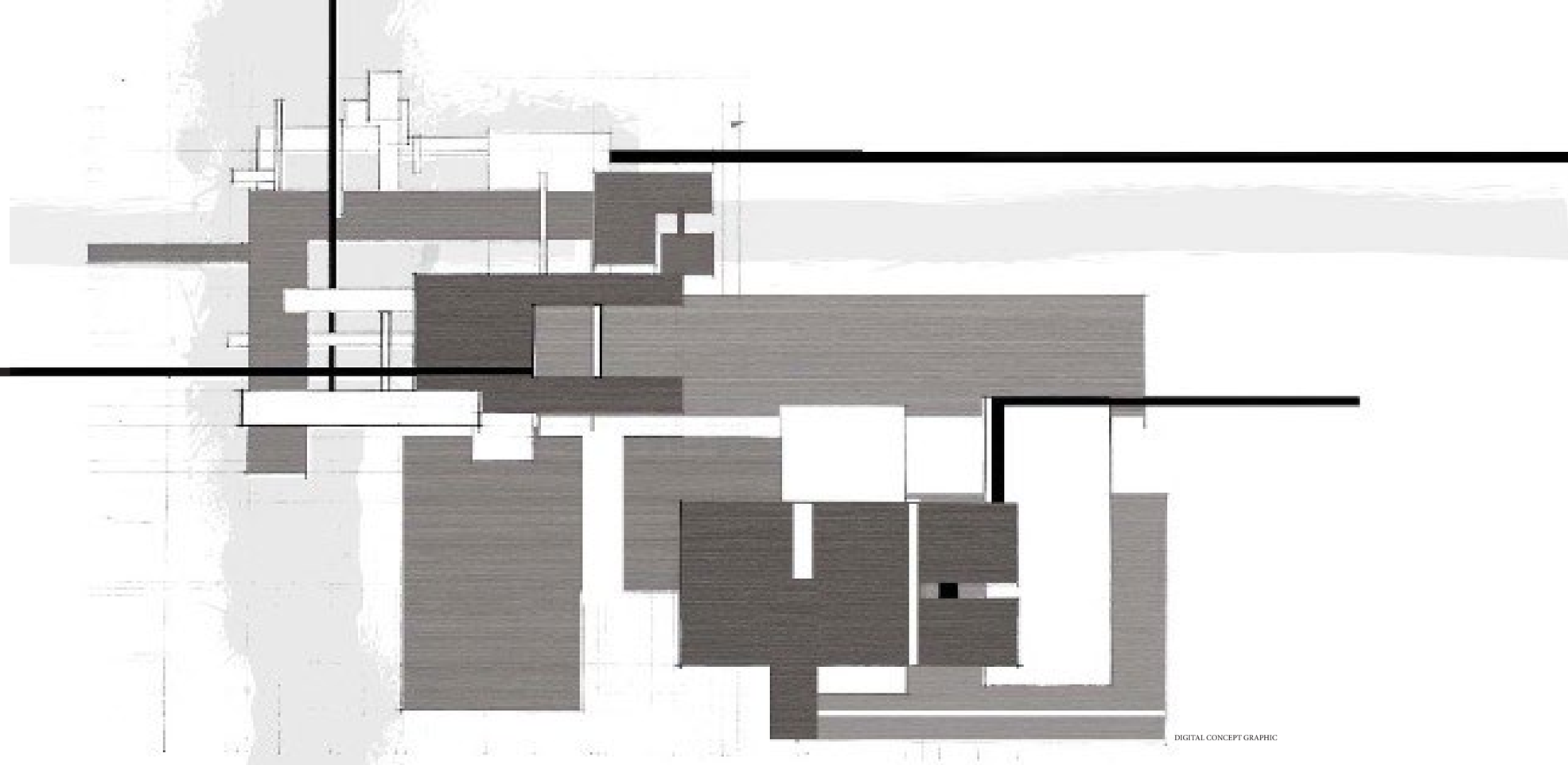
CONCEPT SKETCH



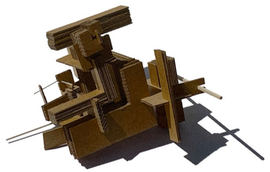
1ST NESTED MODEL

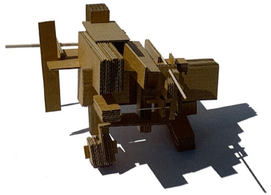
ALIVE - DEATH

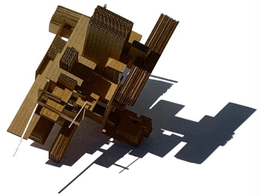
ALIVE AND DEAD, TWO COMPLETELY DIFFERENT AND POLARIZED CONCEPTS, THERE IS A SPACE FOR EACH OF THEM RESPECTIVELY AND SO A SPACE IN BETWEEN. THAT IS, THE CONNECTION BETWEEN THOSE ALIVE AND THE DEAD, THE “COEXISTENCE”

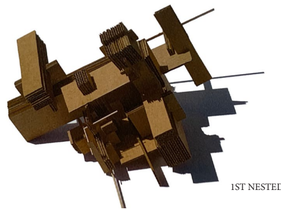


DIGITAL CONCEPT GRAPHIC



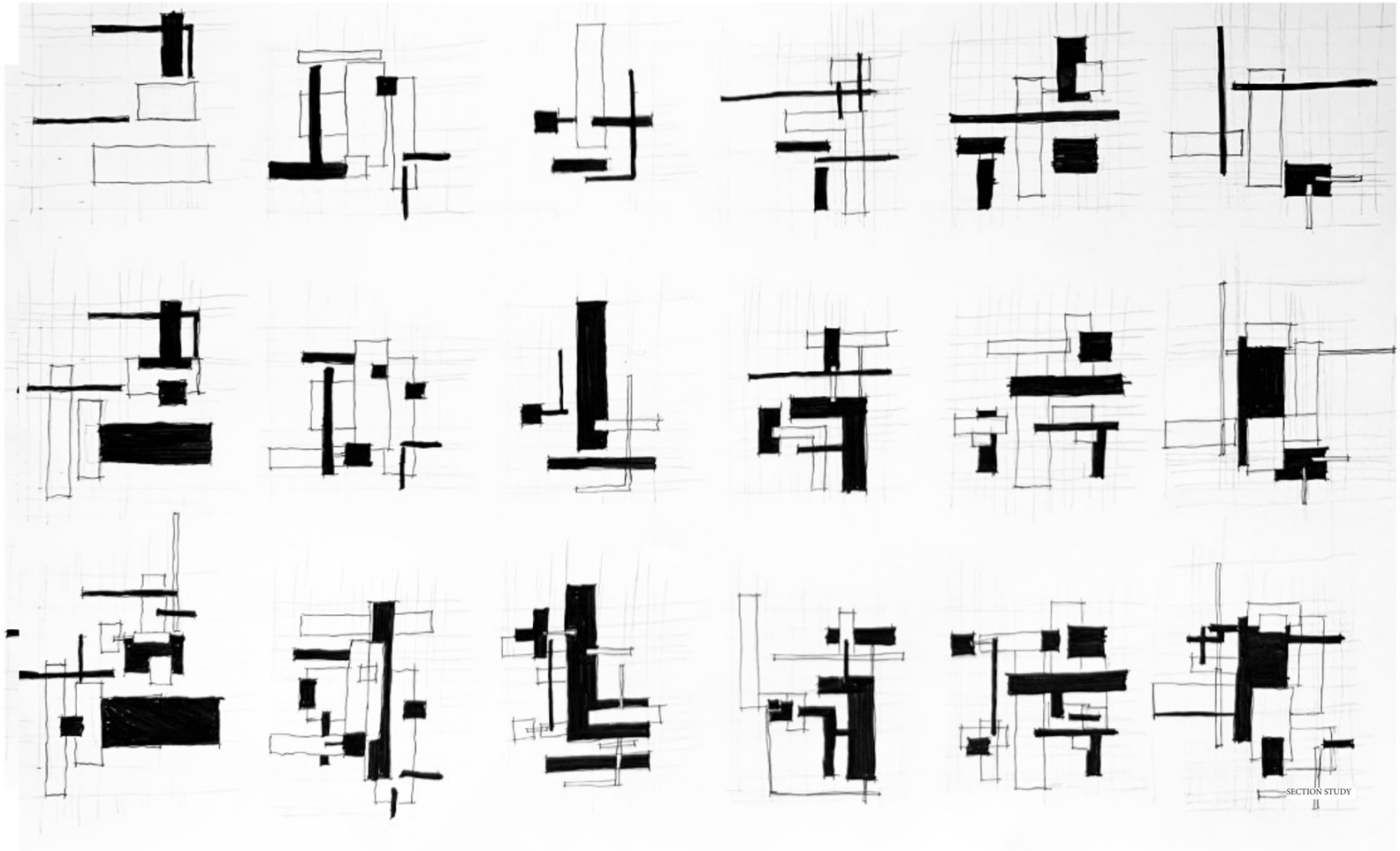




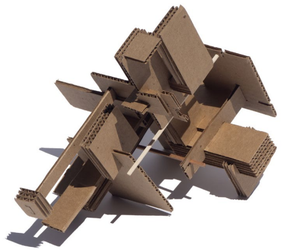


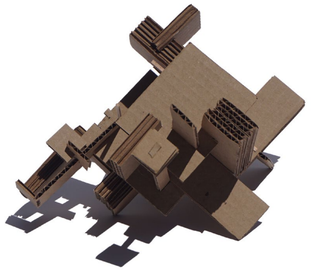
1ST NESTED MODEL

THE MODEL WAS MADE TO SHOW TWO TYPES OF SPACES, ONE THAT IS DENSER AND ONE THAT IS LESS DENSE, DENSER AREA COMPILES MORE ELEMENTS THAT ARE PACKED TOGETHER TO GIVE THE SENSE OF VIVIDITY AND LIVELIHOOD , WHEREAS THE LESS DENSE AREA COMPILES LESS ELEMENTS TO REPRESENT A SENSE OF EMPTINESS AND LIFELESS.



SECTION STUDY





2ND NESTED MODEL

KEYWORDS

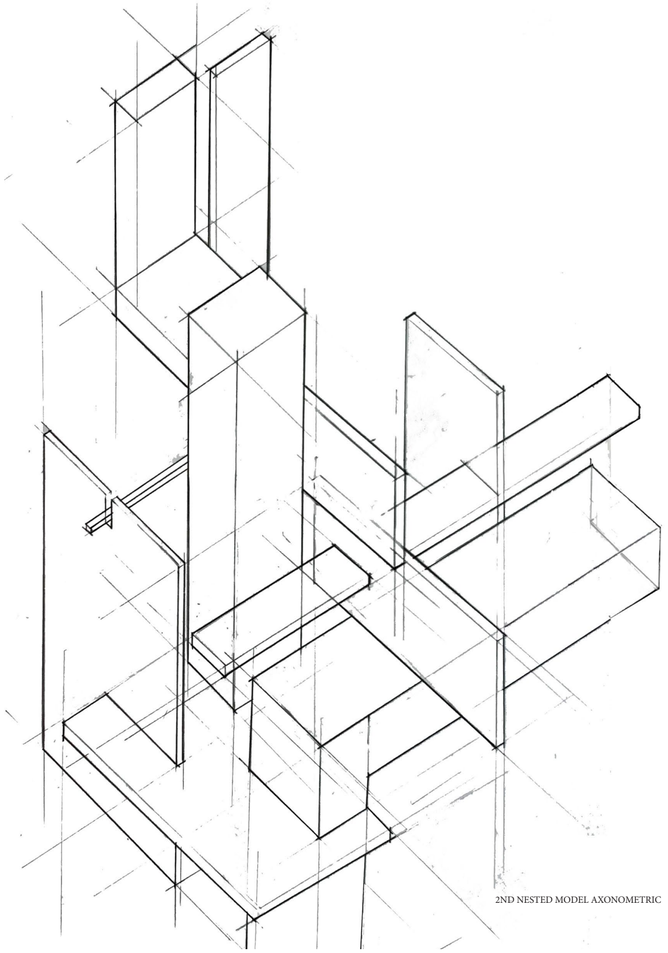
ALIVE, VIVID, ENERGY, PASSIONATE, CHILDREN AT THE PLAYGROUND, SUNLIGHT, PALMTREES, SEA WAVE, FLORAL SCENT

DEATH, LIFELESS, SHADOW, EMPTY, DARK SPACE, MUTE, GRAVE, BORING, EMOTIONLESS, RAINY, CLOUD, MONOCHROME, CASKET, CONFINE

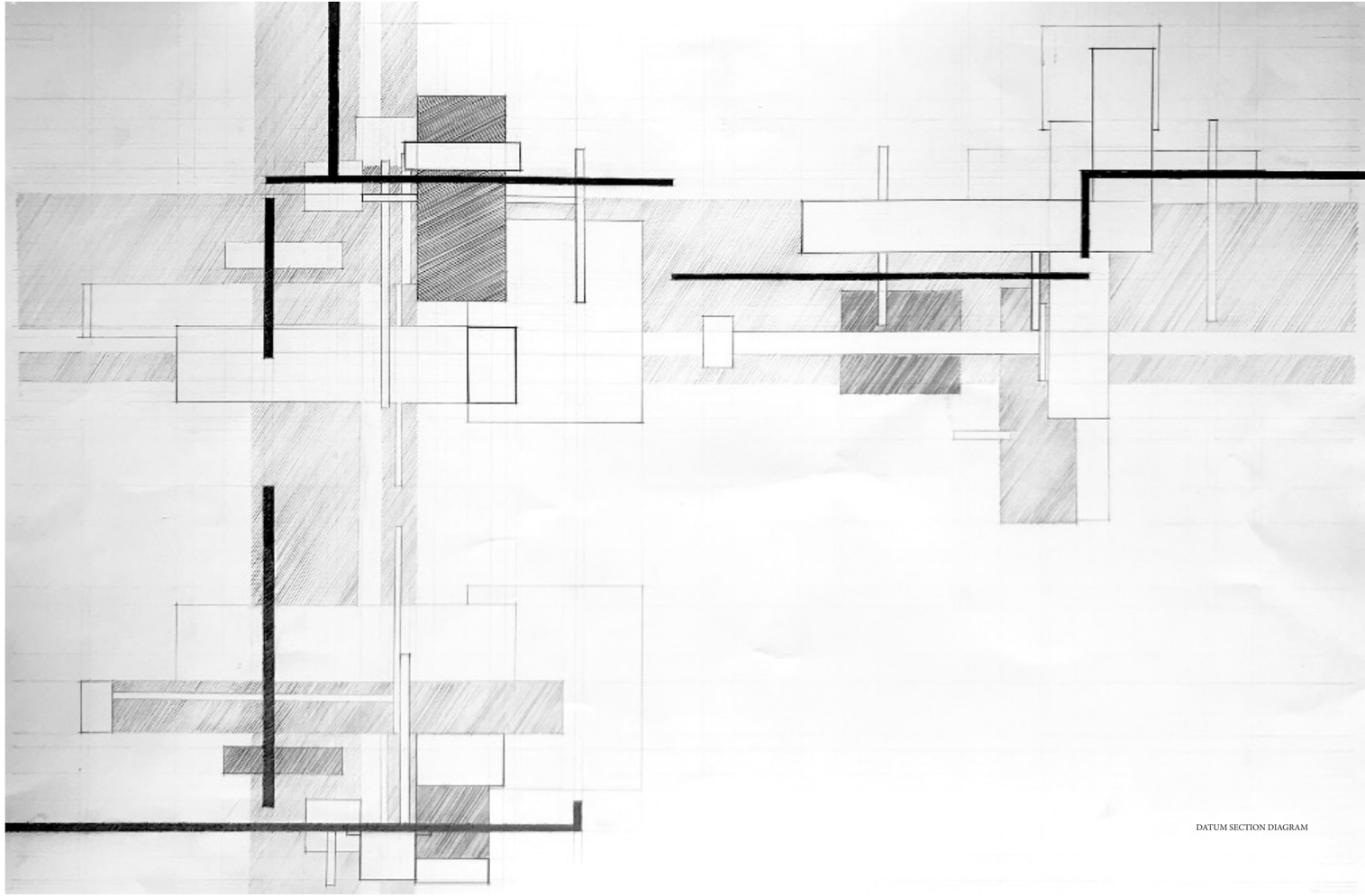
COEXISTENCE, CONNECTION BETWEEN ALIVE AND DEATH, MEMORY, TRIBUTE, NOSTALGIA, MIX FEELINGS

SECTION STUDY

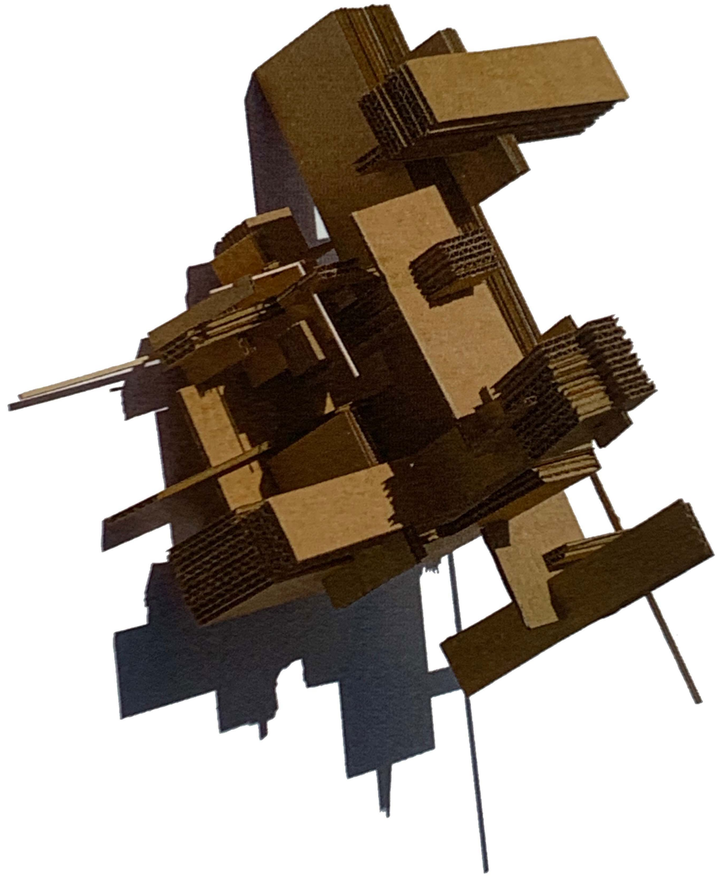
CIRCULATIONS ARE SHOWN THROUGH THE PRIMARY DATUM AND THE INTER-RELATIONSHIP OF SPACES ARE SHOWN THROUGH THE SECONDARY AND THE TERTIARY. PRIMARY DATUM IS MEANT TO SHOW THE CIRCULATION FLOWING FROM THE SPACE OF ALIVE (BOTTOM LEFT), TO THE COEXISTENCE SPACE IN BETWEEN (TOP LEFT), THEN TO THE SPACE OF DEATH (TOP RIGHT). EACH OF THE AREA HAS ITS DISTINGUISHING SECONDARY AND TERTIARY TO SHOW THE HIERARCHY AND RELATIONSHIP IN BETWEEN THE ELEMENTS, AND SO THE SPACES.



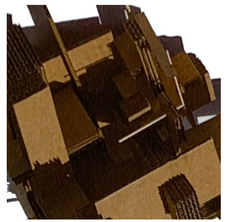
2ND NESTED MODEL AXONOMETRIC

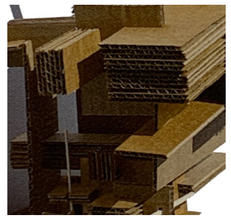


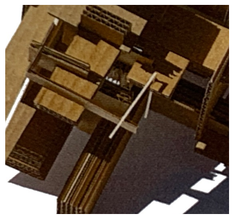
DATUM SECTION DIAGRAM

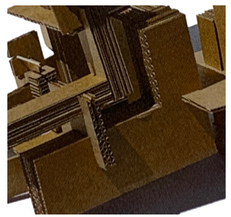


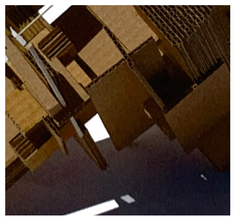
FINAL MODEL WHICH IS THE LAST STUDY AND IS THE END PROJECT RESULT HAS SUCCESSFULLY SHOWN THE INTERNAL RELATIONSHIP BETWEEN THE SPACES OF ALIVE, COEXISTENCE AND DEATH. WITH COEXISTENCE DESIGNED AND PUT IN THE CENTER OF THE WHOLE MODEL AS THE CORE SPACE THAT CONNECTS ALIVE AND DEATH, IT REPRESENTS THE SENTIMENTS OF LOVE, NOSTALGIA, MEMORY BETWEEN THOSE ALIVE AND THEIR DEAD LOVED ONES. SPACE OF THE DEATH AND SPACE OF THE ALIVE HAVE BEEN DESIGNED TO SURROUND THE CORE AND INTERTWINING WITH EACH OTHER TO REPRESENT THAT “NOTHING IS DEFINITE”. THERE ARE DIFFERENT DIMENSIONS THAT THE ALIVE AND THE DEATH STAY IN, THERE IS A DIMENSION WHERE BOTH APPEARED AT ONCE.

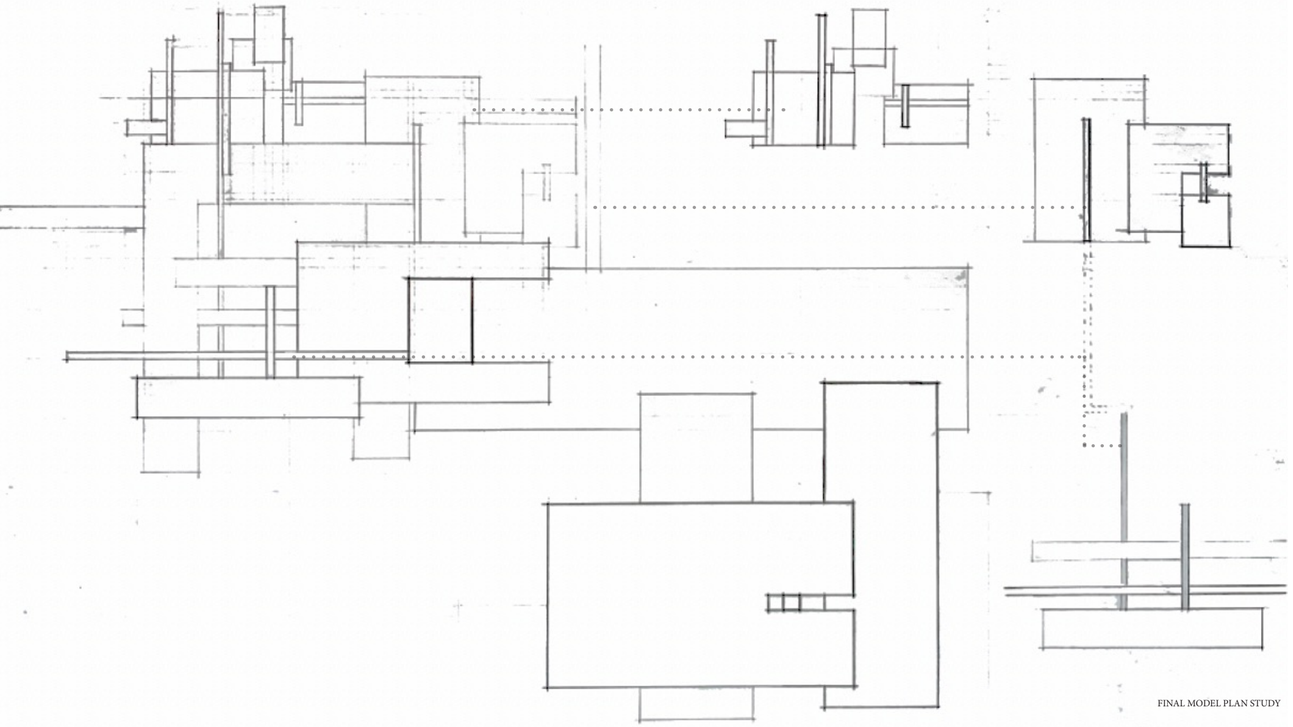




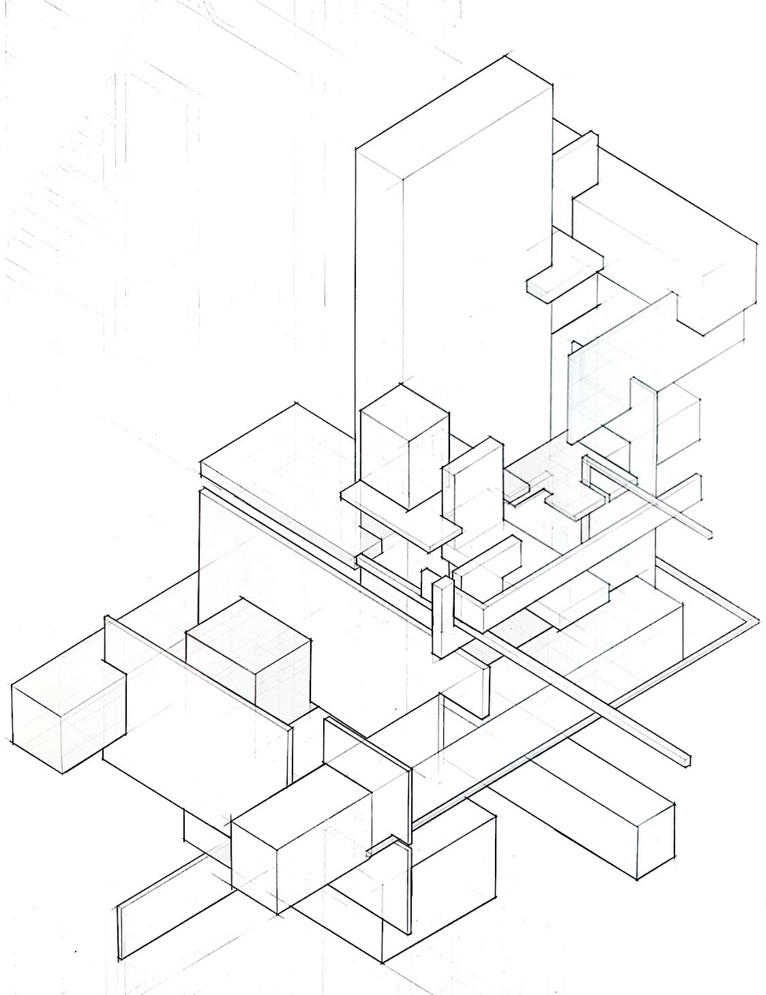








FINAL MODEL PLAN STUDY



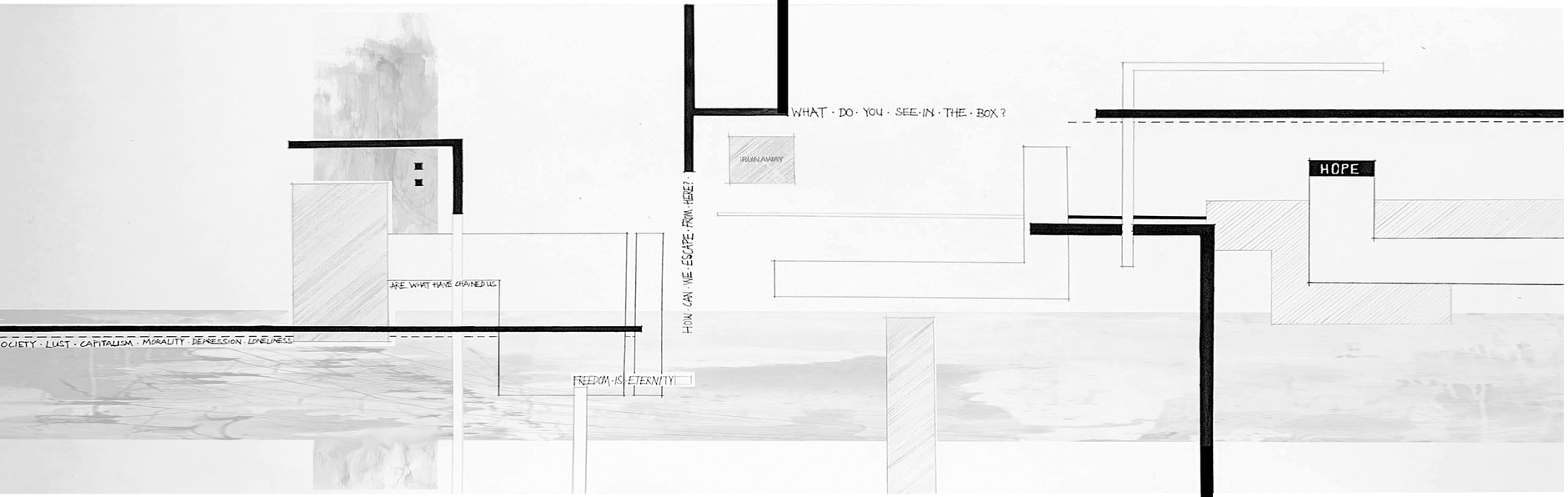
2. MOVEMENTS IN A FIELD

INTRO TO ARCHITECTURAL DESIGN/GRAPHIC I - PROFESSOR CHADAPHAN HANWISAI

CONCEPT ART

WHAT IS FREEDOM?
IT IS THE TIME WE ENJOY
IT IS THE THING WE PRAY FOR
IT IS THE ETERNITY A MAN CAN ACHIEVE
IT IS THE ULTIMATE THAT HUMANS FIGHT FOR
THAT IS NOT HEALTHY, NOT LIFE,
BUT FREEDOM

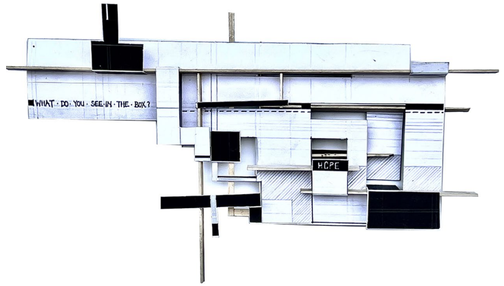
WHAT IS RESTRICTION?
IT IS THE LOOSE PETAL
IT IS THE UNTICKING CLOCK
IT IS THE SHATTERED GLASS ON THE FLOOR
IT IS WHAT THE HEART DIES FROM

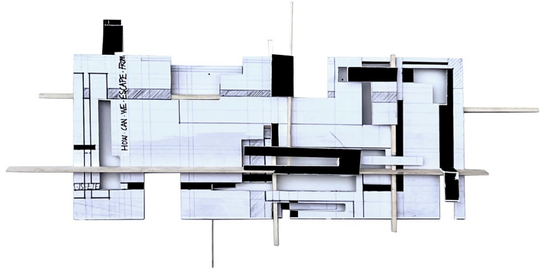


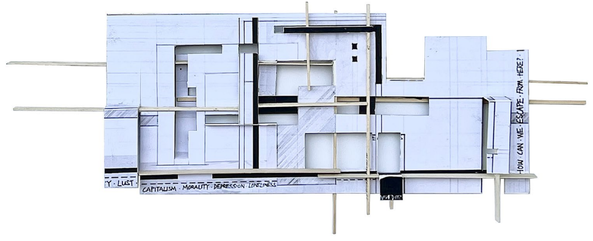
WE ARE LIVING IN A SOCIETY OF PROSPERITY AND CORRUPTION, ACHIEVEMENT AND DESIRE, AMBITION AND DESPERATION, A SOCIETY OF CONTRADICTION.

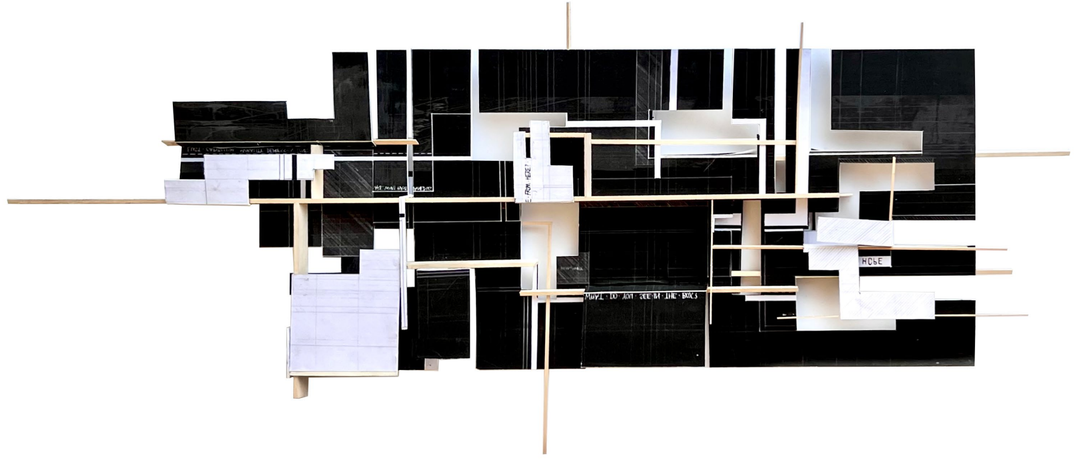
FREEDOM, THE CONCEPT HERE DOES NOT REFER TO FREEDOM OF SPEECH OR BEHAVIOR, BUT FREEDOM OF THE MIND AND THE HEART. SOMETHING THAT IS MENTIONED IN A LOT OF RELIGIONS AND SOMETHING THAT HUMAN HAS BEEN LOOKING FOR. FREEDOM IN THE SOCIETY IS MORE LIKE THE IDEA OF UTOPIA, A UTOPIAN SOCIETY WITHOUT LIMITATIONS, WITHOUT NEGATAIVE INFLUENCE.

RESTRICTION, IT REFERS TO THE THINGS THAT ARE INTANGIBLY AND UNCONSCIOUSLY LIMITING US IN THE SOCIETY. IN AN ABSTRACT SENSE, IT MEANS THINGS THAT THE SOCIETY IS FEEDING US. IT CAN BE FROM MANY ASPECTS, IT CAN BE CONSUMERISM, DISCRIMINATION, DESORE, STEREOTYPES, SOMETIMES JUDGEMENT ON SEXUAL PREFERENCE. VIRAL TIKTOK VIDEO, FAST FASHION TRENDS, VOICES ON MEDIA.

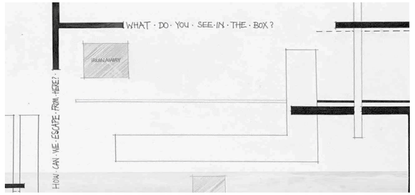


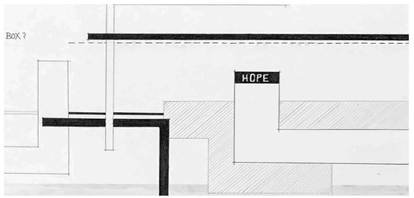


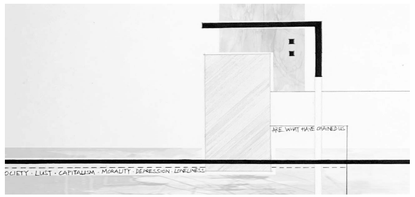


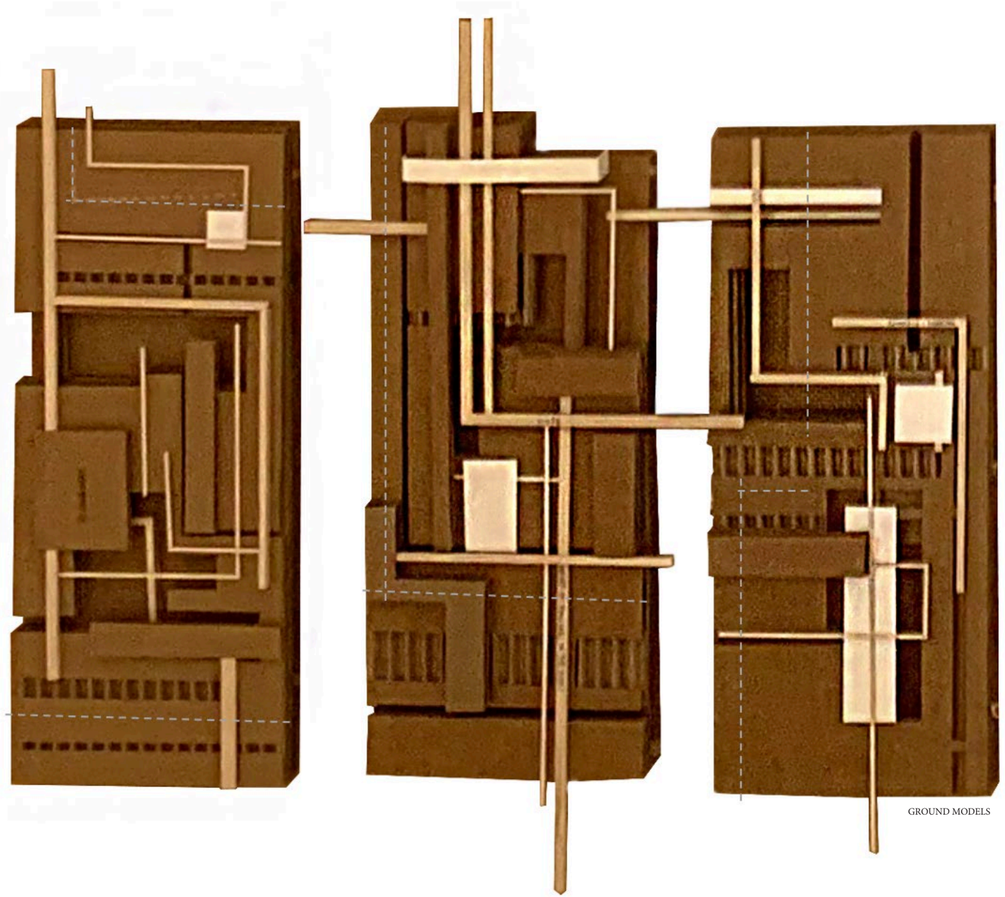


THE LARGE SCALE DRAWDLE WAS CREATED WITH BOTH THE CONCEPT GRAPHIC AND THE INVERT OF THE GRAPHIC TO STUDY THE SPATIAL RELATIONSHIP WITHIN, WHILE THE THREE SMALL DRAWDLES WERE CUT-OUTS FROM THE GRAPHIC TO CONTINUE AN EXTENSIVE EXPERIMENT. FROM THE BEGINNING OF THE EXPERIMENTS, THE IDEA WAS TO EXPRESS THE CONCEPT OF FREEDOM THROUGH STICK MOVEMENT IN THE MODELS AND THE CONCEPT OF RESTRICTION THROUGH THE INTERSECTING AND OVERLAYING OF STICKS AND DIAGRAMS.









GROUND MODELS

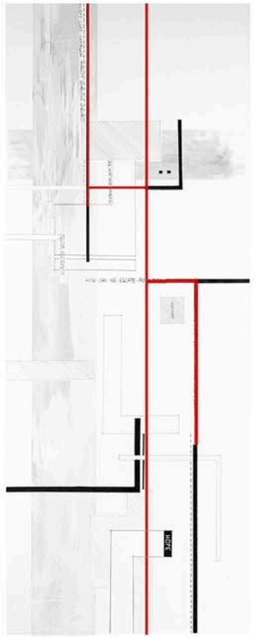
THE GROUND MODELS ARE USED TO ILLUSTRATE THE CONCEPT GRAPHIC IN A THREE-DIMENSIONAL FORM, THE EXTRUDED, REDUCED, AND DELAYED PARTS OF THE MODELS. PROVIDE THE HIERARCHY OF SPACES. THE MOVEMENT CREATED WITH WOODEN STICKS AND THE DOTTED LINES ACT AS THE CIRCULATION, WHICH CONNECT THE SPACES AND HENCE THE CONCEPT.

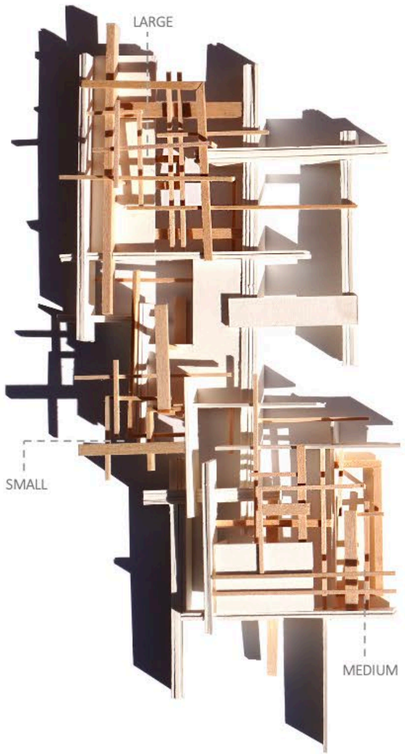
FROM LEFT TO RIGHT OF THE MODELS:

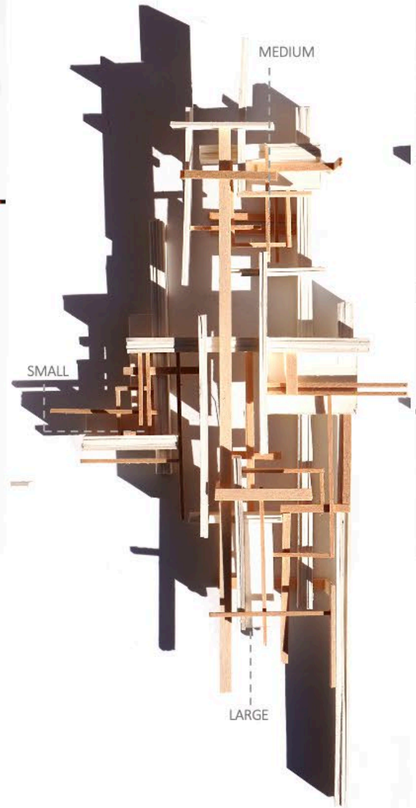
THE FIRST MODEL REPRESENTS THE IDEA “SEEKING FOR FREEDOM”, WHICH IS EXPRESSED WITH THE STICK MOVEMENT THAT RESEMBLES THE BEHAVIOR OF “GOING IN ALL DIRECTION TO SEEK AN OPPORTUNITY”.

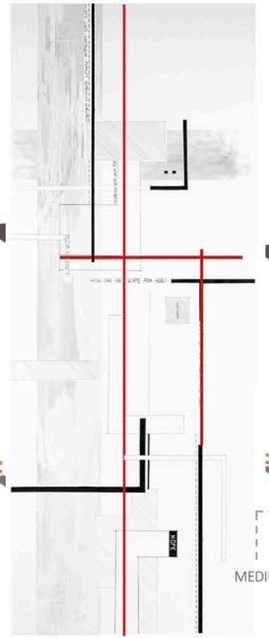
THE SECOND MODEL REPRESENTS “FREEDOM ABOVE ALL”, THE STICK MOVEMENT RESEMBLES THE ACT OF ESCAPING IN ALL DIRECTION.

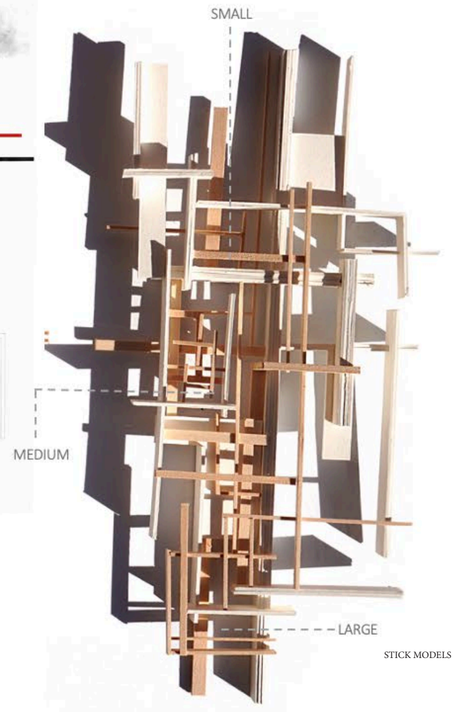
THE THIRD MODEL REPRESENTS “RESTRICTION”, WHICH IS EXPRESSED WITH THE OVERLAYING OF STICKS, MUSEUM BOARD ELEMENTS AND CORRUGATED BOARD ELEMENTS.











STICK MODELS

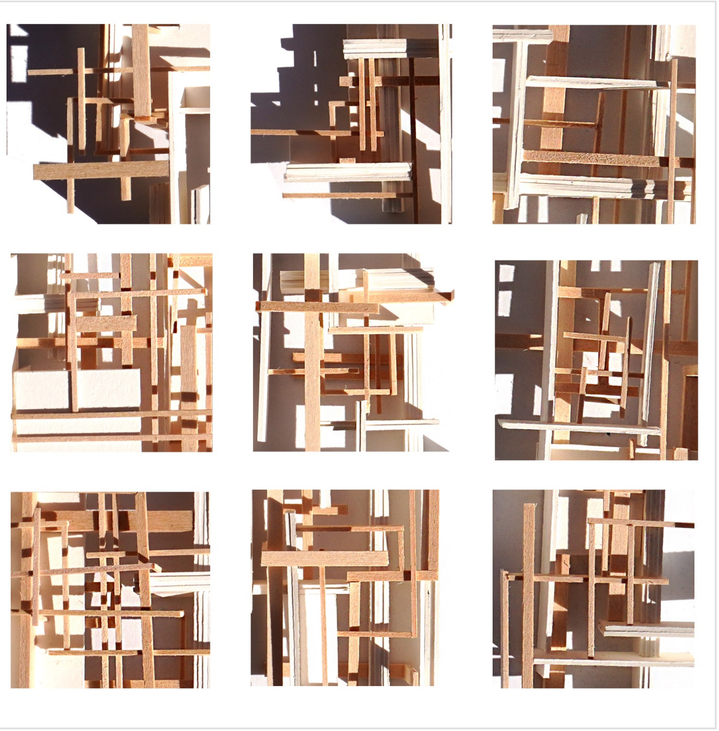
STICK MODELS STUDIES

THE "X-RAY EXAMINATION METHOD" IS USED TO STUDY THE GRAPHIC, WITH THE MUSEUM BOARD REPRESENTING THE "RIB" AND THE STICKS REPRESENTING THE "SKELETON". THERE ARE THREE MOMENTS OF DIFFERENT SCALES OF LARGE, MEDIUM, AND SMALL BEING CREATED. THE RED LINES ON THE GRAPHIC ARE DIFFERENT LAYOUTS OF THE MAIN CIRCULATION.

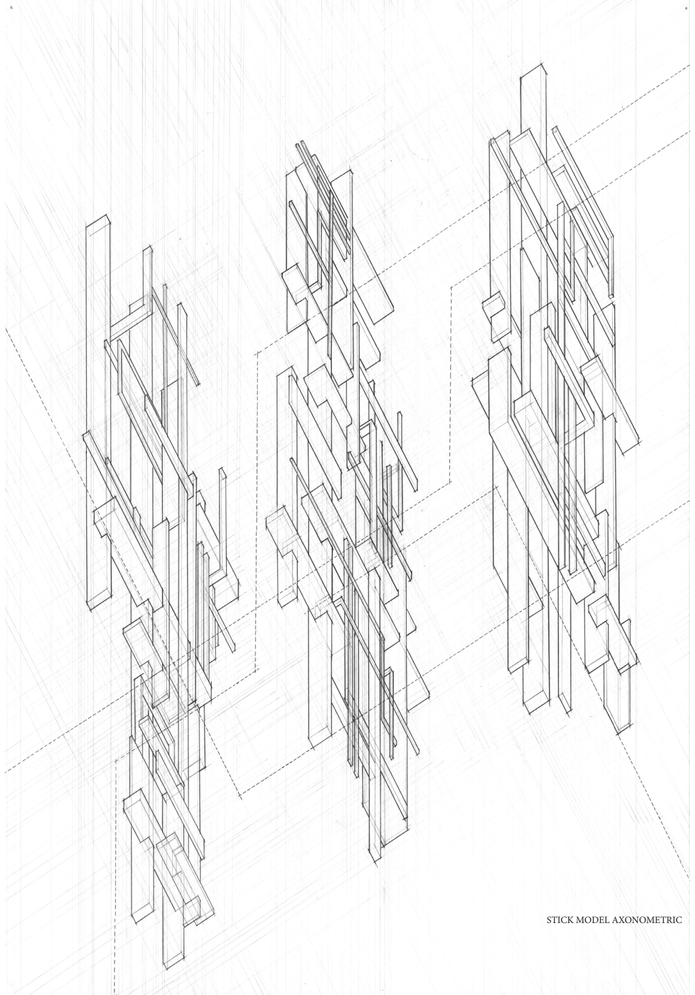
STICK MODEL #1 REPRESENTS RESTRICTION, WHICH IS EXPRESSED THROUGH THE INTERLOCKING AND OVERLAYING OF THE STICKS. THE RIB HAS ALSO SHOWN A SENSE OF CONFINEMENT WHICH ADDS ON TO THE IDEA.

STICK MODEL #2 REPRESENTS FREEDOM, WHICH IS EXPRESSED THROUGH A STRAIGHT-FORWARD AND DIRECTIONAL CIRCULATION SEEN IN BOTH THE RIB AND THE SKELETON.

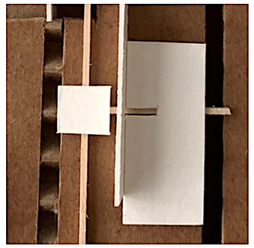
STICK MODEL #3 REPRESENTS BOTH FREEDOM AND RESTRICTION, WHICH IS EXPRESSED THROUGH A RATHER CONTRADICTING AND INCOMPATIBLE LAYOUT.

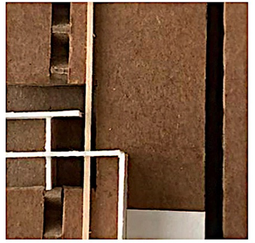


STICK MODELS DETAILS



STICK MODEL AXONOMETRIC

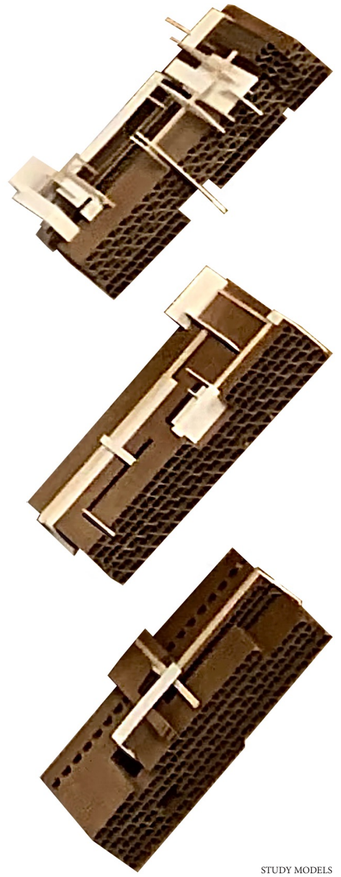




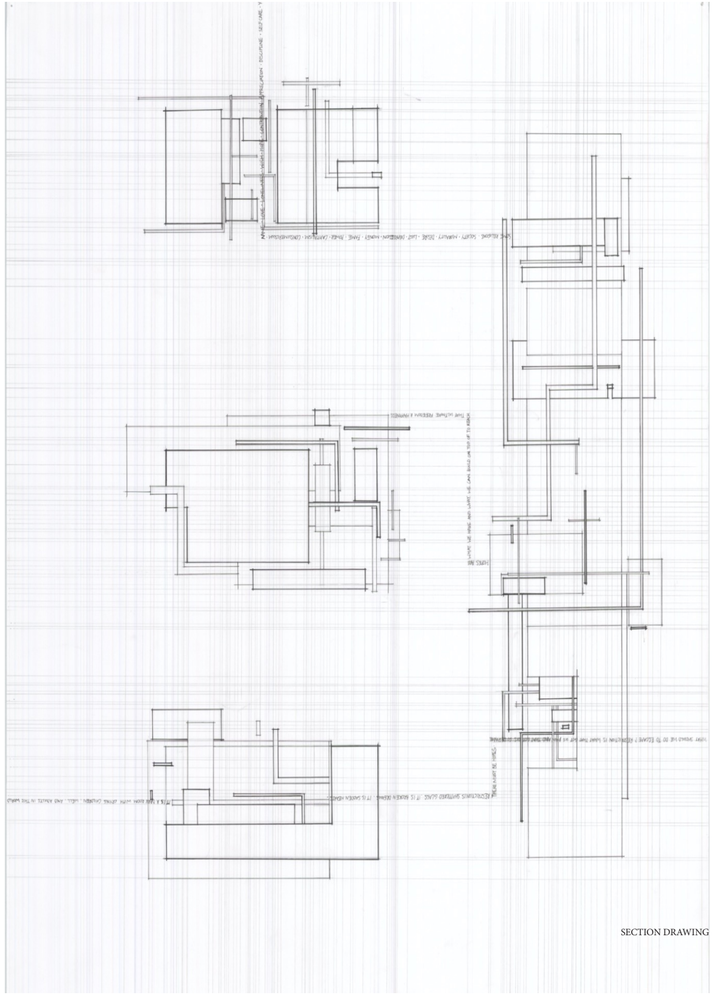
STUDY MODELS DETAILS

STUDY MODELS

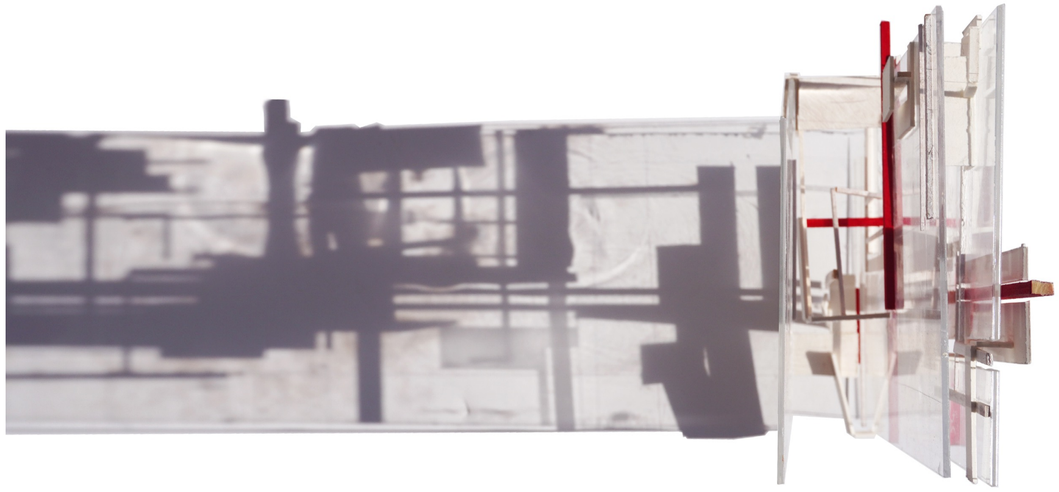
THE STUDY MODELS ARE THE FIRST, INITIAL SPATIAL EXPERIMENTS THAT HELPED WITH THE PROCESS OF CREATING THE FINAL MODEL. WITH THE BEST OF ALL THREE (TOP ONE OF THE COLUMN) BEING SELECTED FOR THE CREATION OF DRAFT FINAL MODEL, IT HAS PROVIDED A BRIEF STRUCTURE OF THE FOLLOWING MODEL STUDIES, WHICH EVENTUALLY LED TO THE BEST STRUCTURE FOR THE FINAL MODEL.



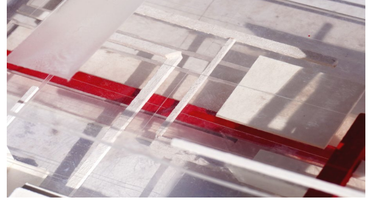
STUDY MODELS

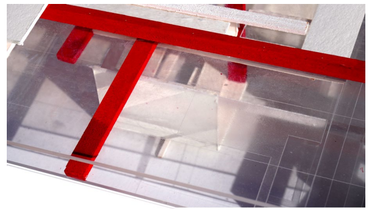


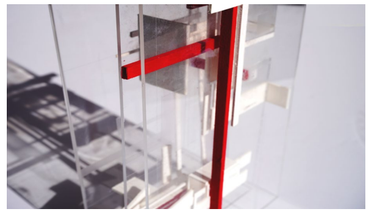
SECTION DRAWING

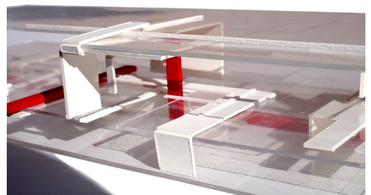


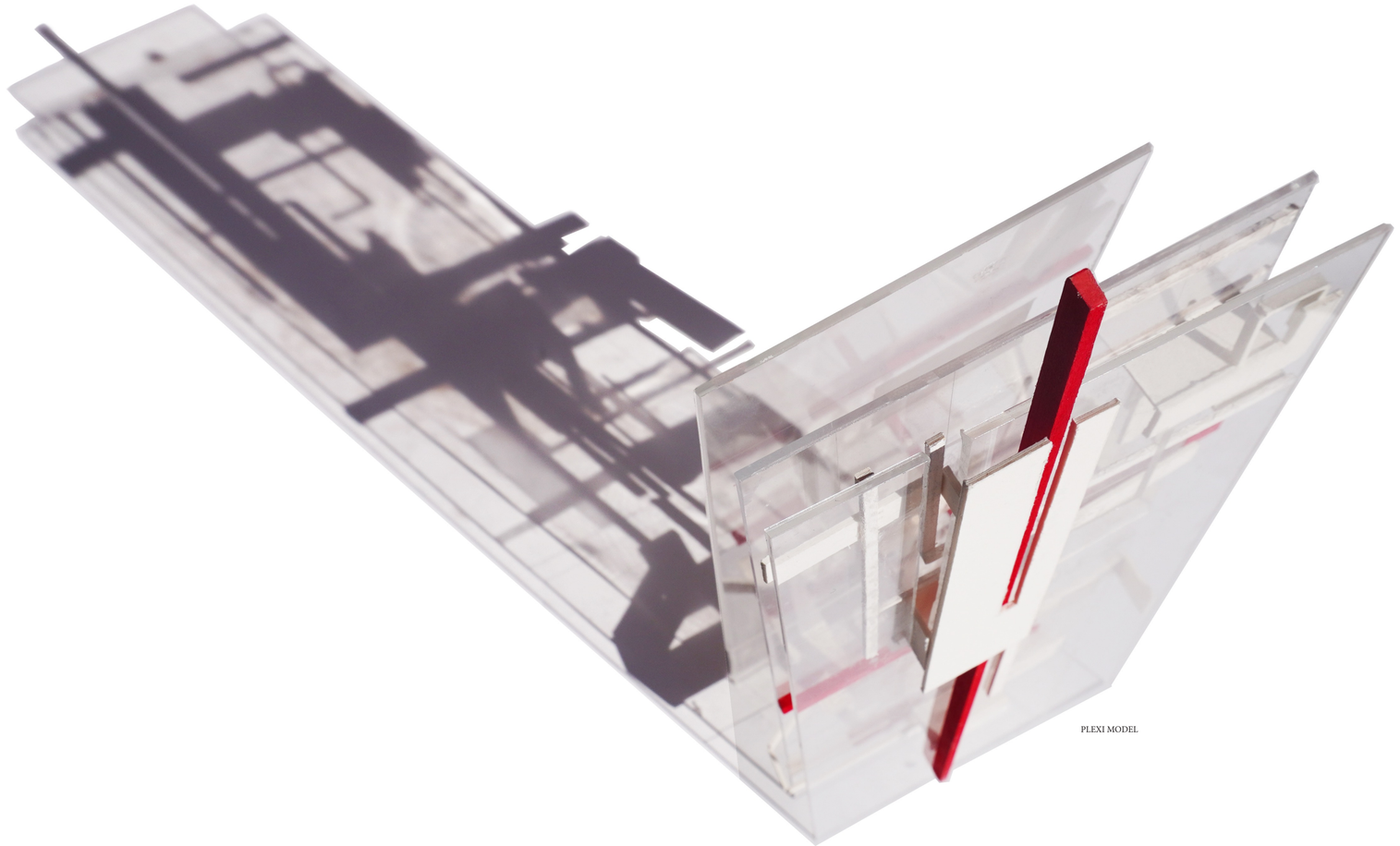
PLEXI MODEL







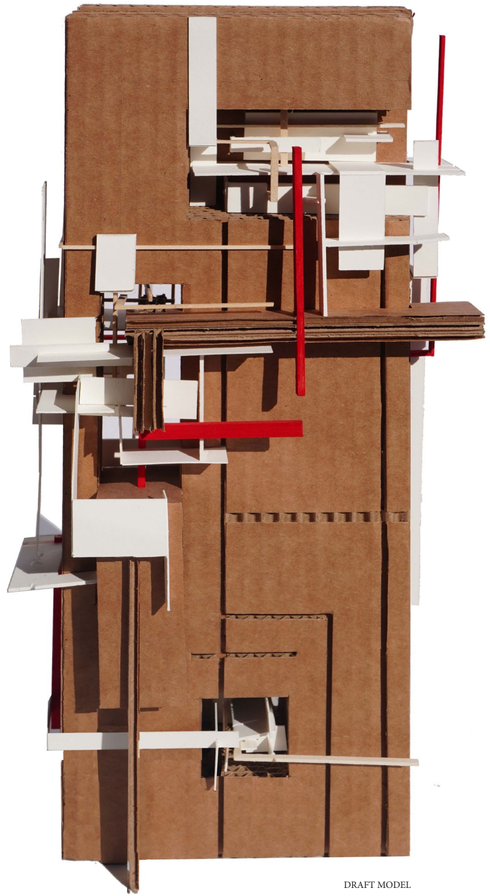




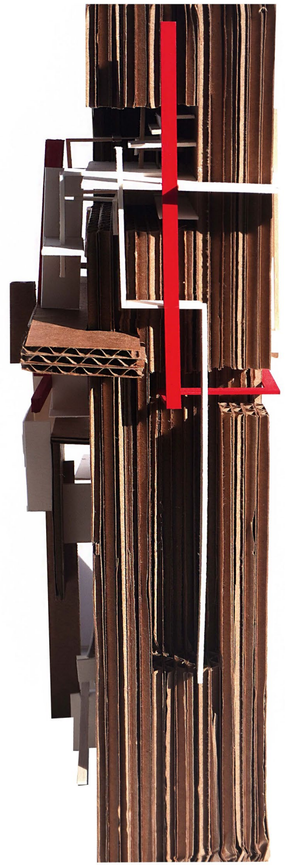
PLEXI MODEL

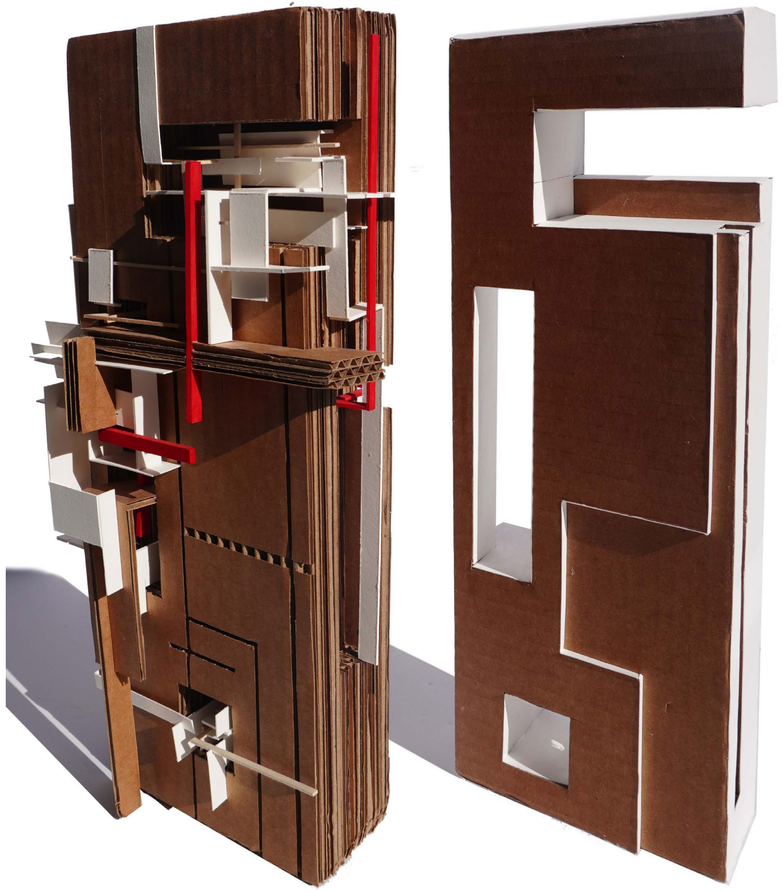
THE DRAFT MODEL WAS CREATED TO CARRY OUT A BRIEF STUDY FOR THE FINAL MODEL, WHICH CONSISTS OF THREE DIFFERENT SCALE MOMENTS, LARGE, MEDIUM AND SMALL SCALE.

DRAFT MODEL DETAILS

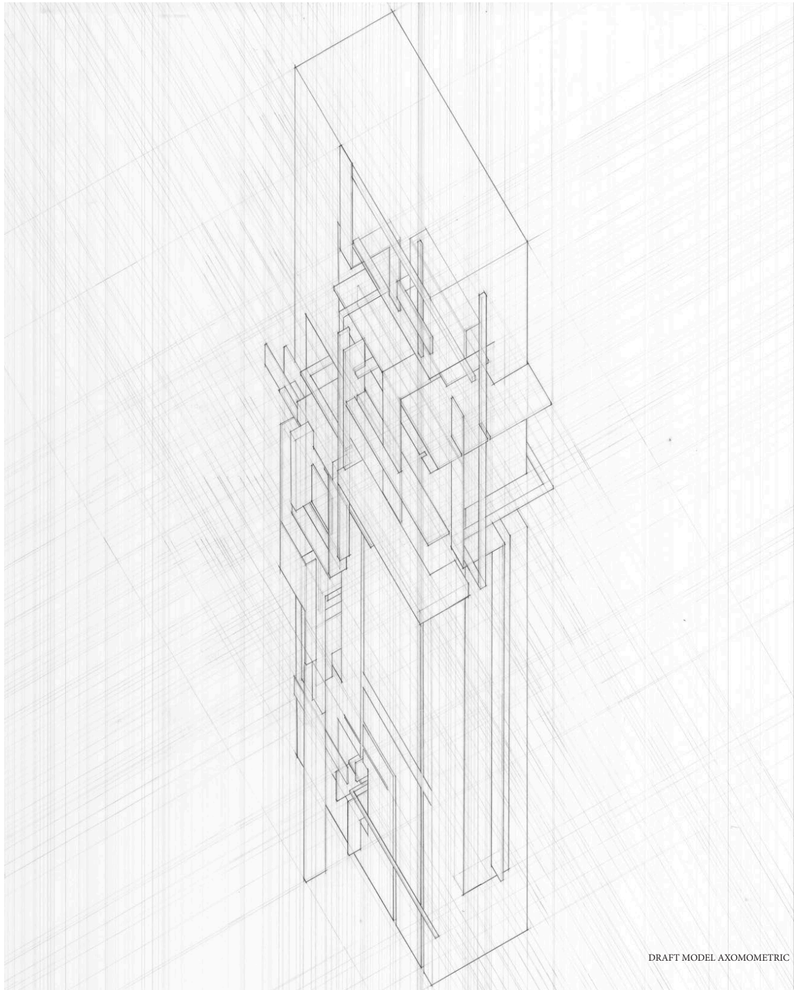


DRAFT MODEL

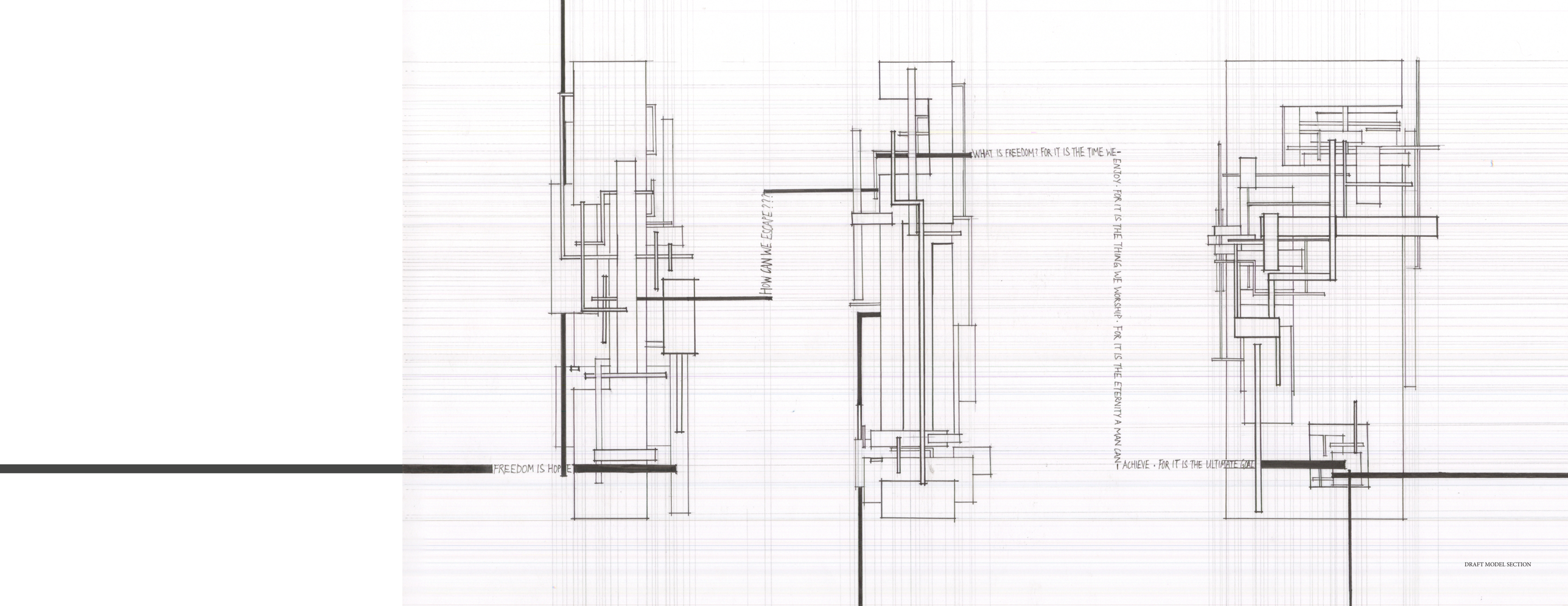




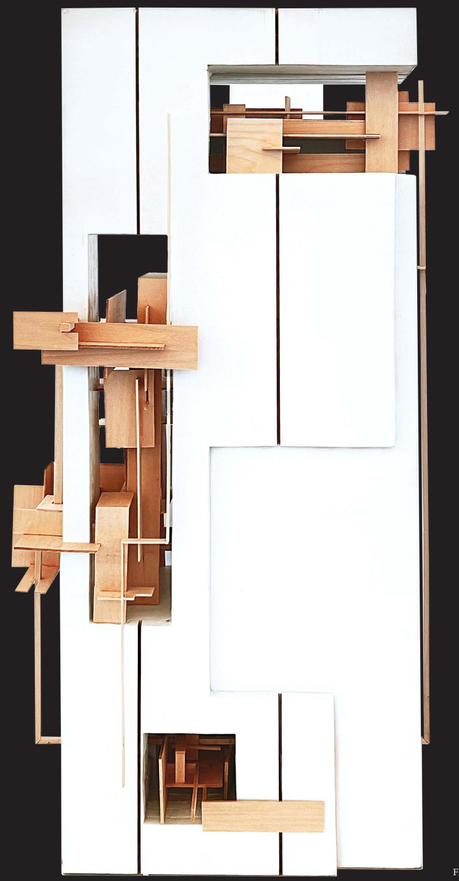
DRAFT MODEL AND ARMATURE



DRAFT MODEL AXOMOMETRIC



DRAFT MODEL SECTION



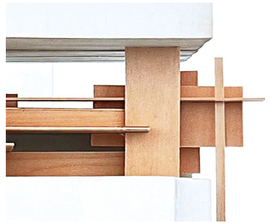
FINAL MODELS

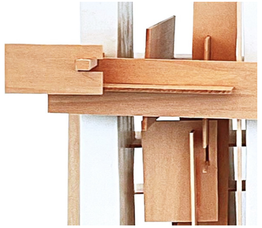
FINAL MODEL

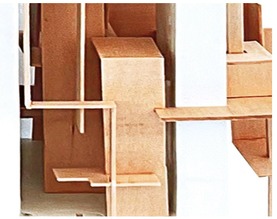
THE FINAL MODEL WAS CREATED WITH A PROFANE CRAFTED WITH WOOD BOARDS AND PAINTED WHITE TO BETTER EMPHASIZE THE MOMENTS AND CIRCULATION. COMPARING TO THE DRAFT FINAL MODEL, THE SMALL SCALE WAS SHIFTED TO THE LEFT TO PREVENT SYMMETRY; MORE LINEAR ELEMENTS WERE ADDED TO CREATE A BALANCED PROPORTION; AND MORE VERTICAL MOVEMENTS WERE ADDED TO CONNECT THE SCALES IN BETWEEN EACH OTHER AND ALSO TO THE PROFANE.

WITHIN THE SCALES THEMSELVES, THE POSITION, SIZE AND THICKNESS OF EACH OF THE ELEMENTS WERE CAREFULLY DESIGNED AND MANIPULATED TO CREATE BOTH NEGATIVE AND POSITIVE SPACES THAT REPRESENT THE SUB-CONCEPTS RESPEECTIVELY. WHERE RESTRICTION IS REPRESENTED BY THE INTERSECTING OF ELEMENTS AND FREEDOM REPRESENTED BY THE LINEAR MOVEMENTS, WHILE THE PROFANE AS THE “SOCIETY”.

FINAL MODELS DETAILS







3. THE LIGHT BOX

INTRO TO ARCHITECTURAL DESIGN/GRAPHIC I - PROFESSOR CHADAPHAN HAN

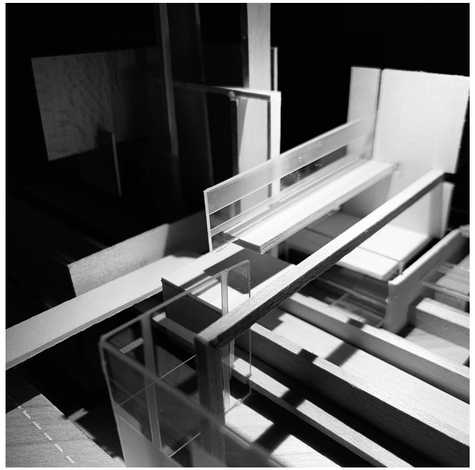
FREEDOM | LOVE | RESTRICTION

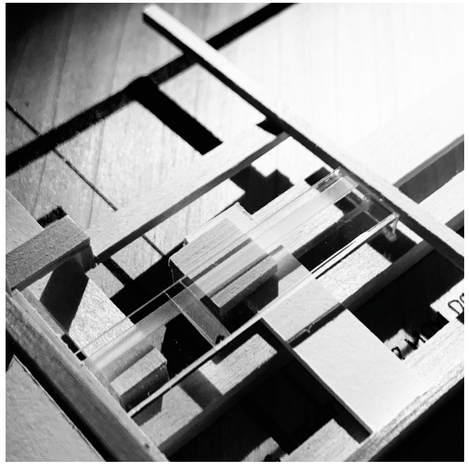
THE END OF DARKNESS IS LIGHT
THE END OF HELPLESS IS HOPE
THE END OF DESPERATE IS RELIEF
THE END OF ENDLESS IS THE END
THE WAY WE ESCAPE IS THROUGH LOVE

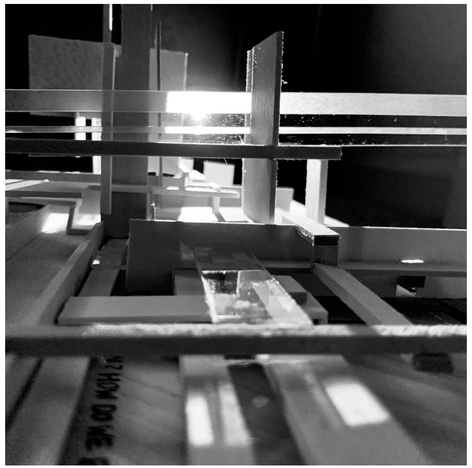
ABSOLUTE FREEDOM IS AN IMPOSSIBLE GOAL, WHAT CAN REALLY BE DONE TO ACHIEVE THE BALANCE IS THROUGH A MEDIUM, THAT IS, TO FIND SOMETHING THAT IS IN BETWEEN, AND THE IN BETWEEN WILL BE LOVE.

WHEN A COURSE IS DONE OUT OF LOVE, IT IS DONE UNDOUBTEDLY WITH A SINCERE, HONEST AND UNFEIGNED WILL.

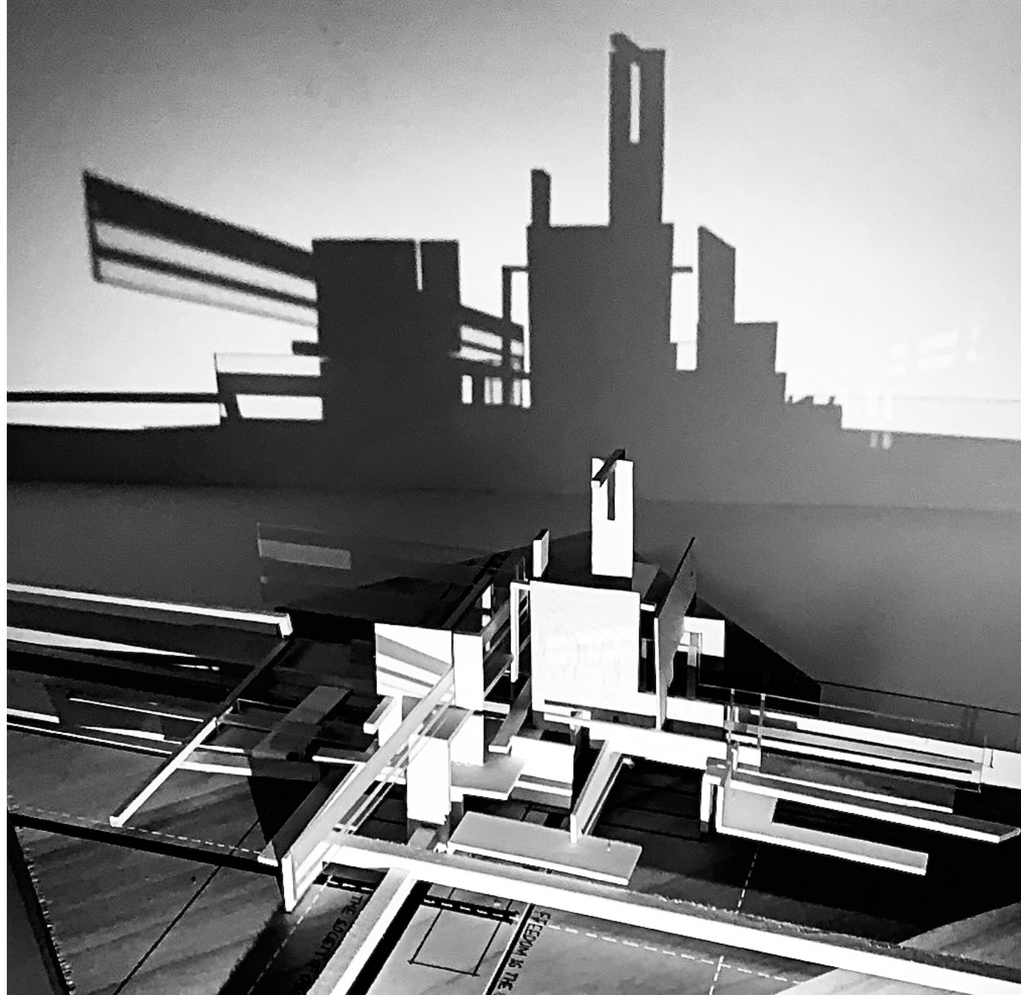
LOVE IS HENCE THE ONLY WAY TO ESCAPE, TO FIND SOMETHING CONNECTED TO LOVE WITHIN A RESTRICTION, PEACE CAN BE FOUND, AND SO DOES FREEDOM.

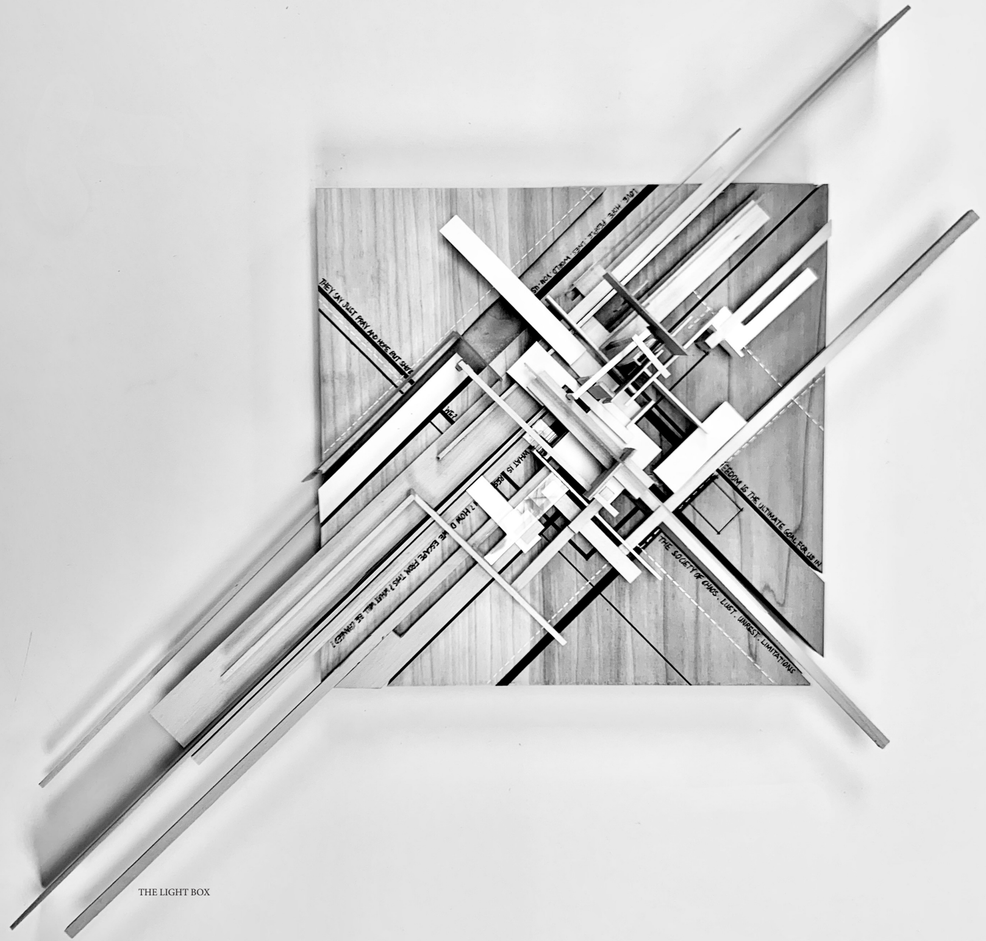






THE LIGHT BOX

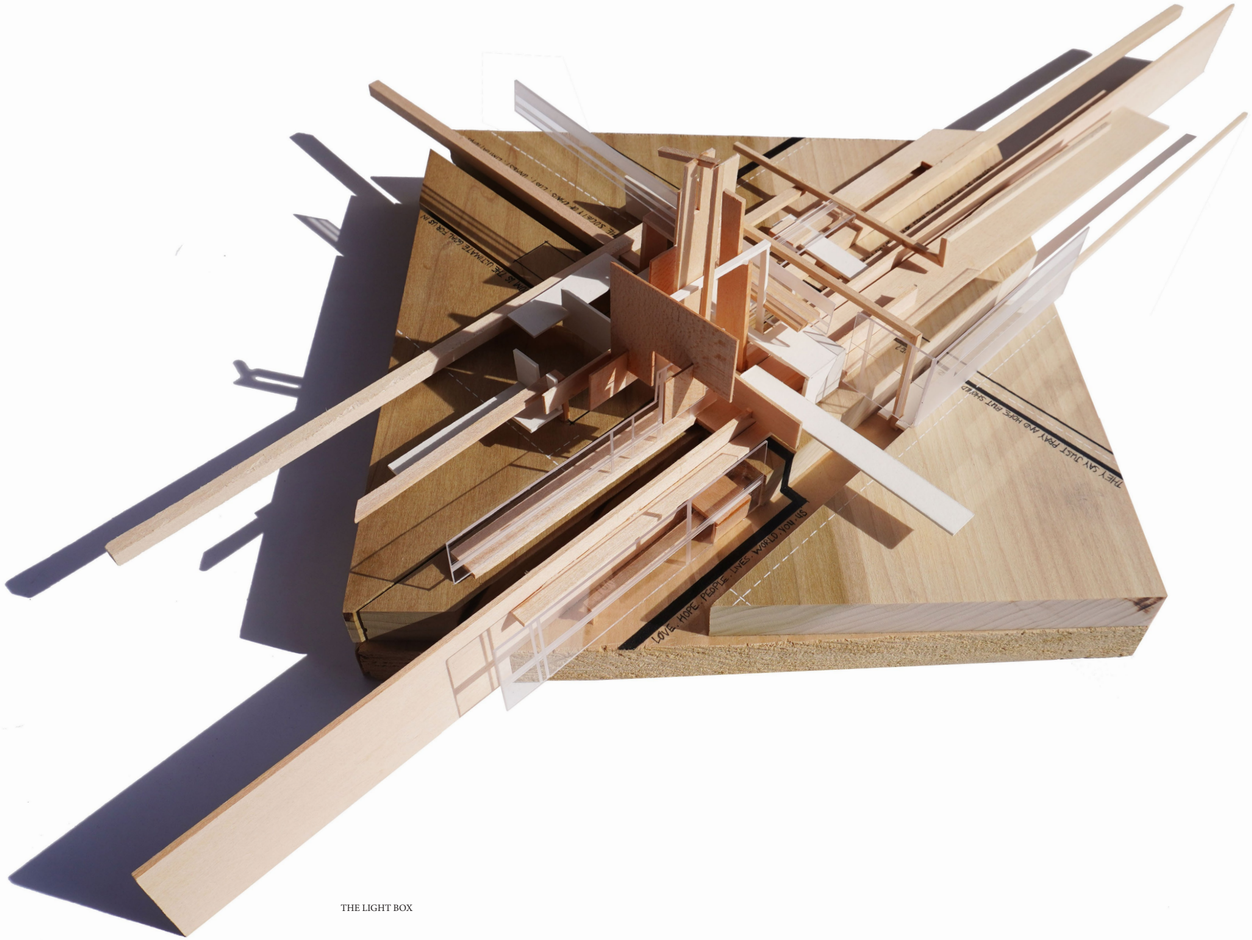




THE LIGHT BOX

THE LIGHTBOX AND PROJECTOR

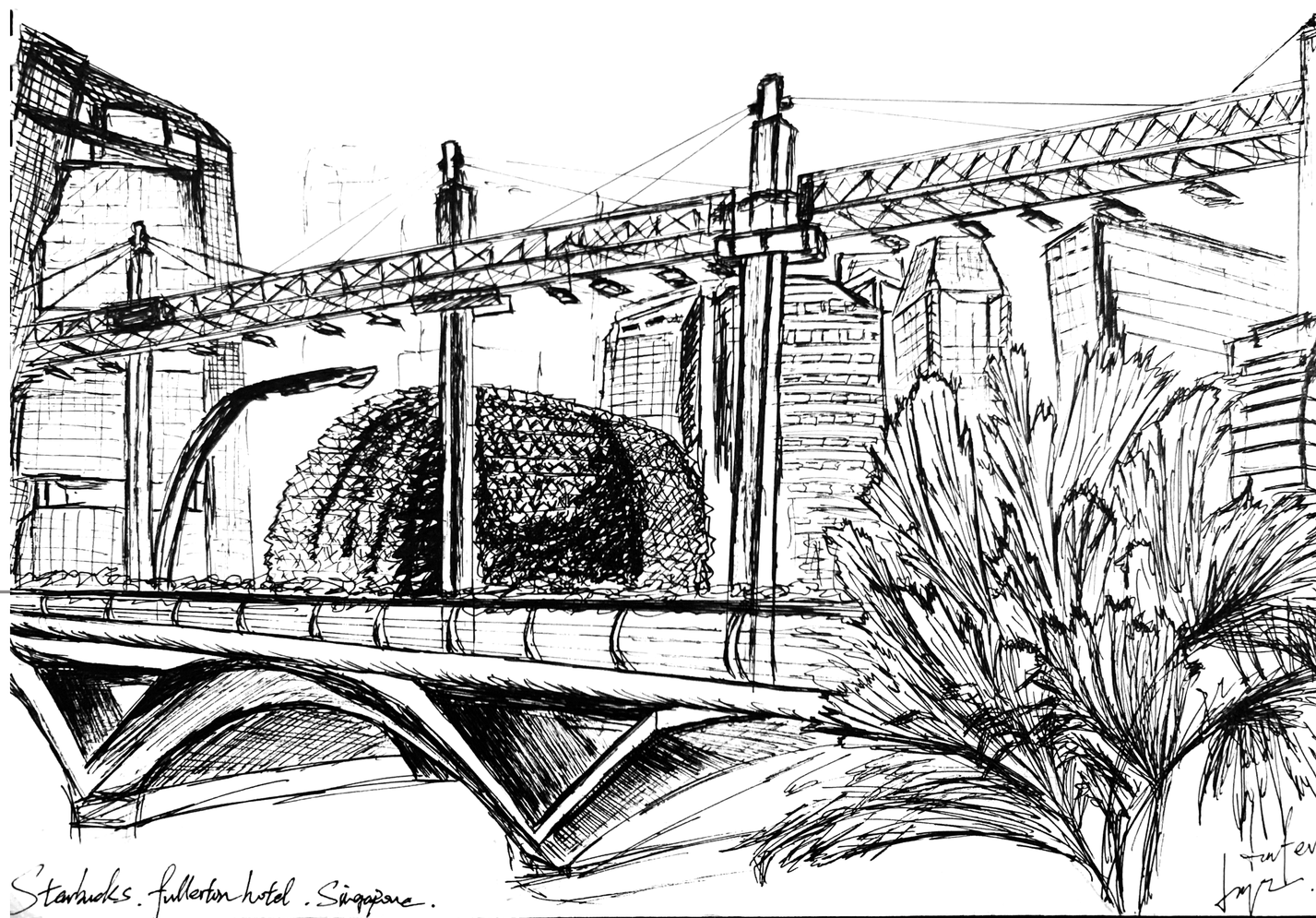
THE LIGHTBOX IS A FOLLOW-UP PROJECT AFTER THE PREVIOUS STUDY, WHICH TAKE UP THE SAME CONCEPT "FREEDOM AND RESTRICTION". THE LIGHTBOX IS A PROJECT THAT STUDIES INTO THE SPACE WITH THE MANIPULATION OF LIGHT. ONE OF THE EXPERIMENT THAT HELPED THE STUDY WAS TO CAST LIGHT SOURCE ONTO THE THE MODEL WHICH LED TO THE PROJECTION OF MULTIPLE SPACES. IN THIS MODEL, RESTRICTION IS REPRESENTED BY THE INTERSECTING ELEMENTS IN THE MIDDLE, FREEDOM IS REPRESENTED BY THE MOVEMENTS BUILT AROUND AND PROTUDING OUT WHILE LOVE IS ABSTRACTIVELY REPRESENTED BY THE CASTING OF LIGHT. AS SEEN IN THE FIRST BLACK/WHITE PICTURE LAST ROW FROM THE RIGHT. THE ABSTRACT CORRUPTED/UTOPIAN SOCIETY IS PROJECTED.

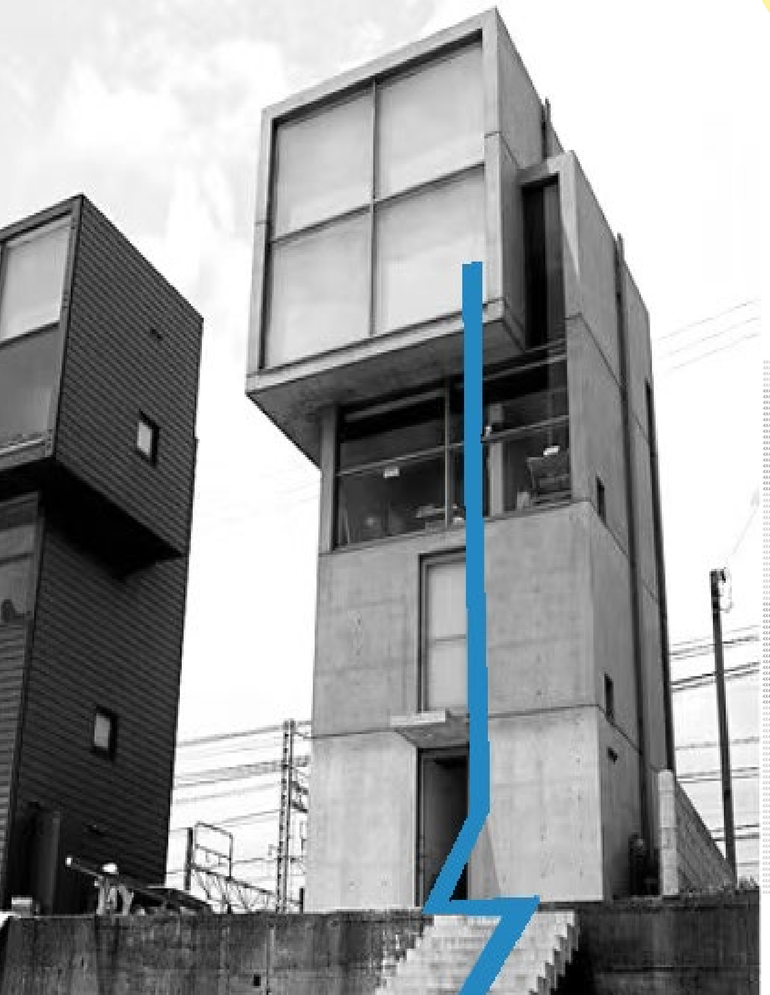


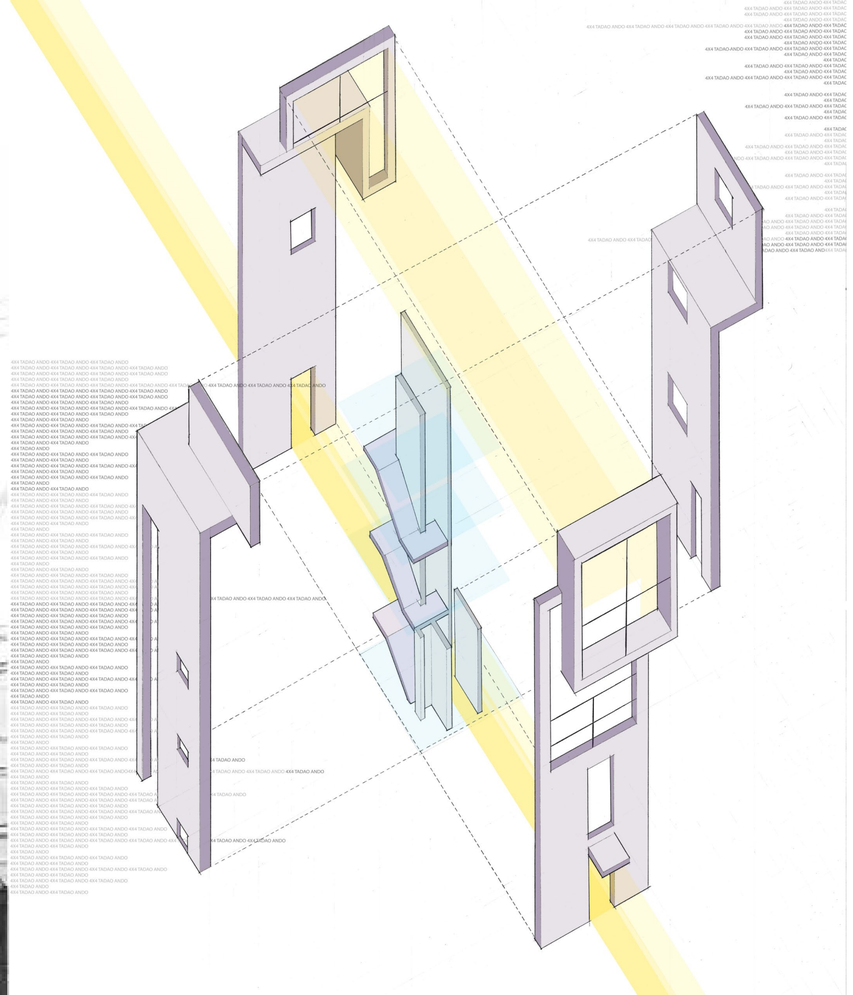
THE LIGHT BOX

4. SPEED ANALYSIS

INTRO TO ARCHITECTURAL DESIGN/GRAPHIC II - PROFESSOR ANA MENESES

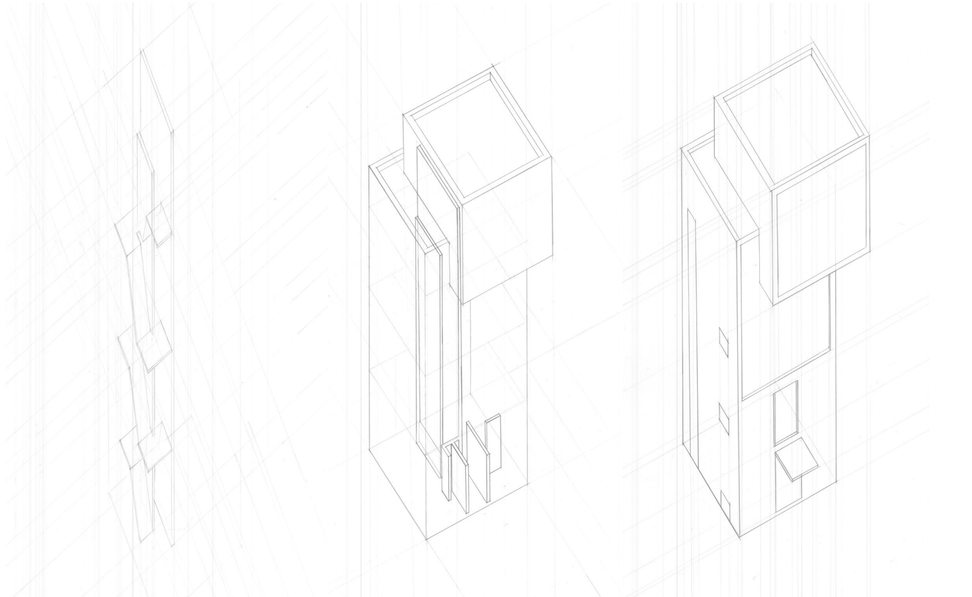


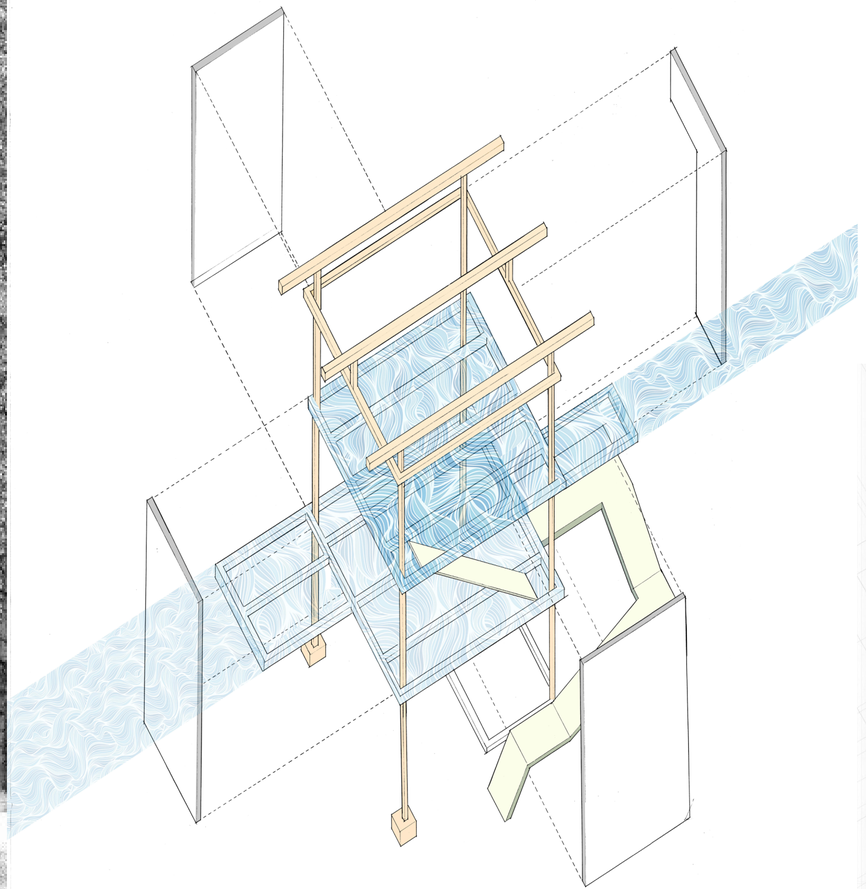




4x4 HOUSE - TADAO ANDO

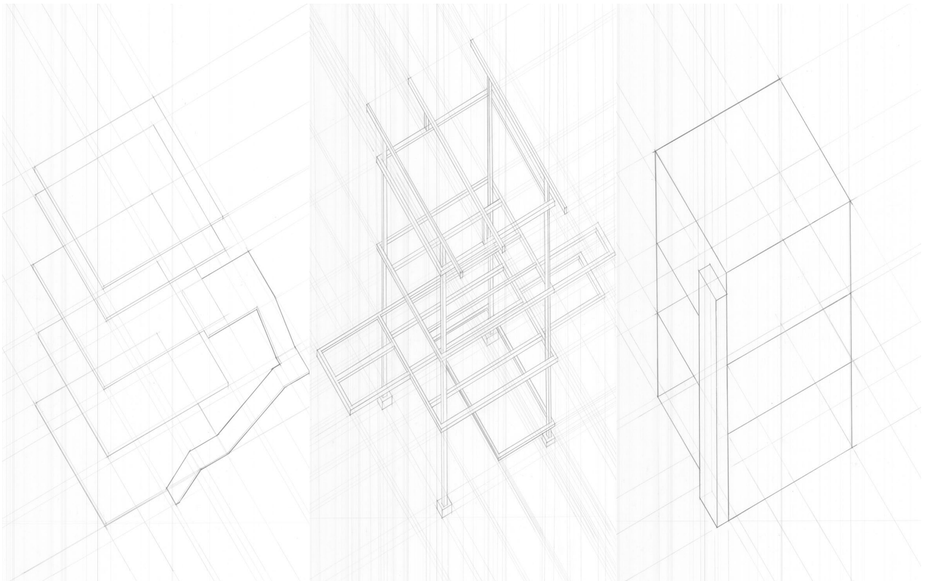
PICTURE TAKEN FROM WIKIARCHITECTURA

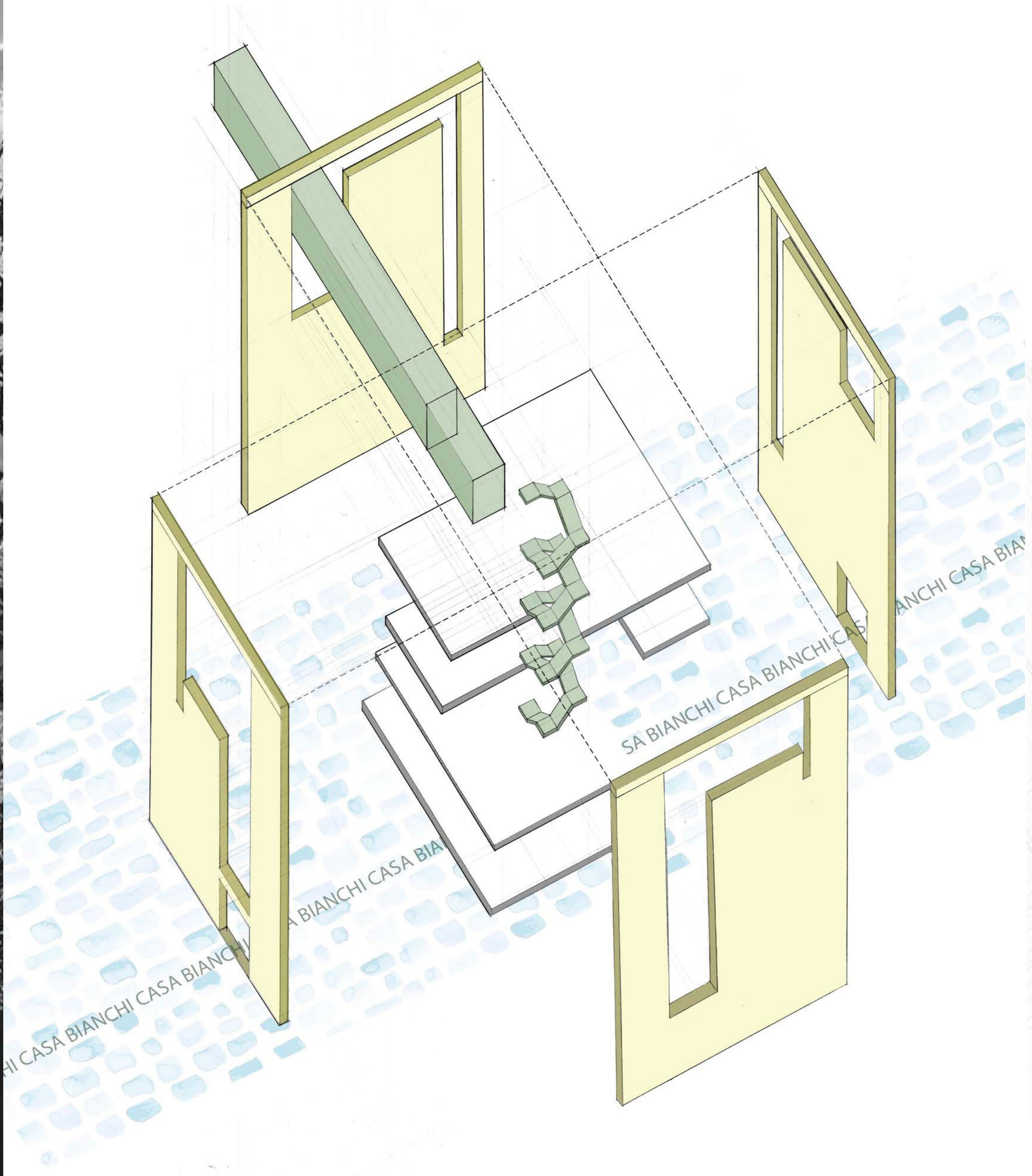




DELTA SHELTER - OLSON KUNDIG

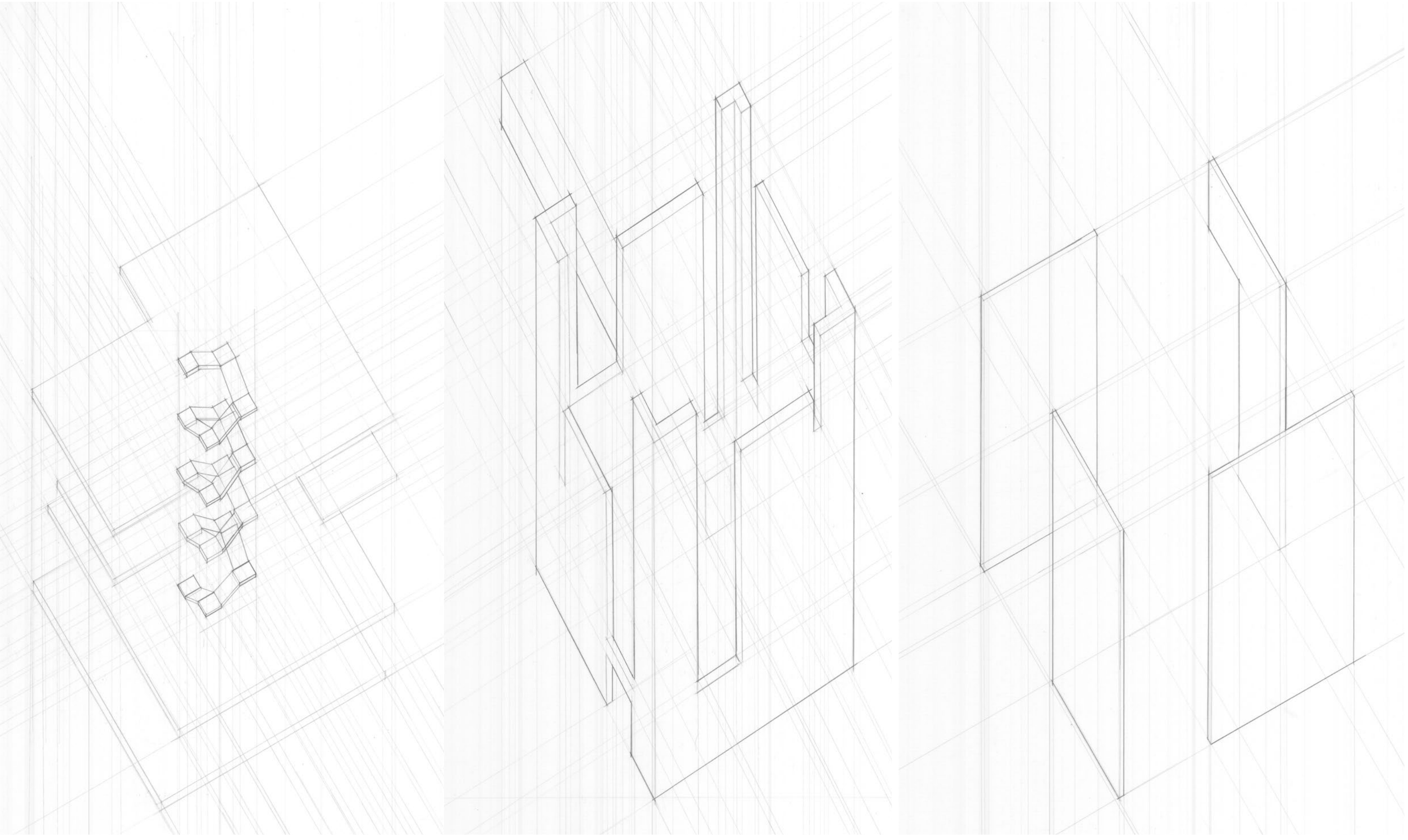
PICTURE TAKEN BY BENJAMIN BENSCHEIDER

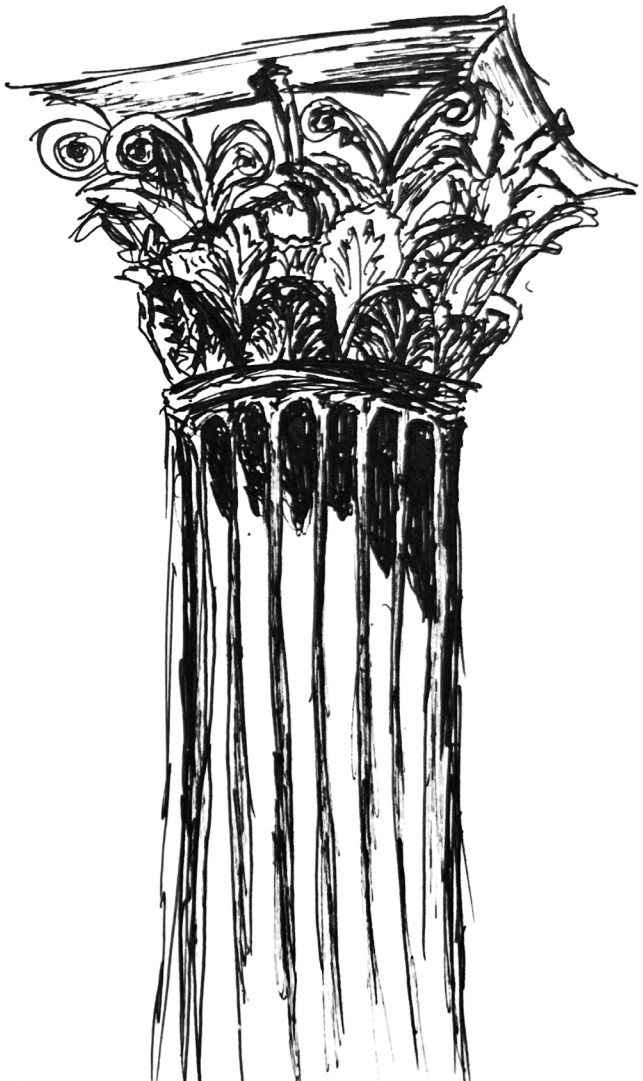




CASA BIANCHI - MARIO BOTTA

PICTURE TAKEN BY BIANCHI HOUSE PHOTOGRAPHS





ARCHITECTURE IS NEVER JUST ARCHITECTURE, IT IS ART, PASSION, DISCIPLINE, PHILOSOPHY, ATTITUDE

- JINGYING ZHENG (JENNIFER)